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162885

mej

From: Whiteman, Brian
Sent: Thursday, August 18, 2005 7:31 AM
To: STIC-Biotech/ChemLib
Subject: seq search

09/820,095 Wei et al. 3/29/01

SEQ ID NO: 1, 2 and nucleotides 1-2000 and 10,000-11,000 of seq id no: 3
1) search against the issued and published US application databases

Thank yiu,

Brian Whiteman
Remsen, 2D14
mail box 2C18
Patent Examiner - Art Unit 1635
United States Patent and Trademark Office
(571) 272-0764

STAFF USE ONLY

Searcher: _____
Searcher Phone: 2- _____
Date Searcher Picked up: 8/19/05
Date Completed: 8/24/05
Searcher Prep/Rev. Time: _____
Online Time: _____

Type of Search

NA#: 2 AA#: 1
Interference: _____ SPDI: _____
S/L: _____ Oligomer: _____
Encode/Transl: _____
Structure#: _____ Text: _____
Inventor: _____ Litigation: _____

Vendors and cost where applicable

STN: _____
DIALOG: _____
QUESTEL/ORBIT: _____
LEXIS/NEXIS: _____
SEQUENCE SYSTEM: 1037/009
WWW/Internet: _____
Other(Specify): _____

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GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 15:11:34 ; Search time 445.996 Seconds
(without alignments)
9880.127 Million cell updates/sec

Title: US-09-820-095B-1
Perfect score: 2693
Sequence: 1 ttgctgactcatgtgccgc.....aaaaaaaaaaaaaaaaaaaaa 2693

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents NA.*
1: /cgn2_6/prodata/1/ina/5A COMB.seq.*
2: /cgn2_6/prodata/1/ina/5B COMB.seq.*
3: /cgn2_6/prodata/1/ina/6A COMB.seq.*
4: /cgn2_6/prodata/1/ina/6B COMB.seq.*
5: /cgn2_6/prodata/1/ina/PCUS COMB.seq.*
6: /cgn2_6/prodata/1/ina/backfile1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1515.4	56.3	1697	3	US-09-381-681-2
2	1162.4	43.2	1360	3	US-09-191-136-30
3	1155.8	42.9	1293	3	US-09-381-681-1
4	394.4	14.6	396	3	US-09-191-136-28
5	243.6	9.0	1978	4	US-09-949-016-367
6	239.2	8.9	1750	4	US-09-016-434-831
7	239.2	8.9	1762	2	US-08-742-621-2
8	237.6	8.8	1206	3	US-09-191-608-21
9	237.6	8.8	1389	4	US-09-949-016-3548
10	233.4	8.7	2597	4	US-09-949-016-4136
11	233.4	8.7	2643	2	US-08-750-134A-10
12	233.4	8.7	2643	3	US-09-363-745-10
13	233.4	8.7	2643	4	US-09-023-655-897
14	233.4	8.7	2643	4	US-09-949-016-365
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16	225.4	8.4	1997	2	US-08-750-134A-6
17	225.4	8.4	1997	3	US-09-363-745-6
18	214.4	8.0	1421	3	US-09-191-608-14
19	213.2	7.9	1436	3	US-09-191-608-13
20	206	7.6	1837	2	US-08-750-134A-4
21	206	7.6	1837	3	US-09-363-745-4
22	200.2	7.4	237	3	US-09-191-136-29
23	199.4	7.4	1499	3	US-09-191-608-16
24	198.8	7.4	1034	4	US-09-949-016-3378
25	198.8	7.4	1034	4	US-09-949-016-3379
26	168.6	6.3	1243	3	US-09-191-136-15
27	165.4	6.1	1456	4	US-09-949-016-366

28	156.2	5.8	1272	3	US-09-191-136-13	Sequence 13, Appl
29	155.4	5.8	1349	3	US-09-191-608-15	Sequence 15, Appl
30	155.4	5.8	1753	2	US-08-750-134A-8	Sequence 8, Appl
31	155.4	5.8	1753	3	US-09-363-745-8	Sequence 8, Appl
32	144.4	5.4	1156	4	US-09-949-016-1705	Sequence 1705, Ap
33	144.4	5.4	1156	4	US-09-949-016-1706	Sequence 1706, Ap
34	131.2	4.9	961	4	US-09-023-655-370	Sequence 370, Ap
35	115.8	4.3	1023	4	US-09-949-016-4714	Sequence 4714, Ap
36	103.8	3.9	1853	3	US-08-842-079-19	Sequence 19, Appl
37	103.8	3.9	1853	4	US-09-638-857-19	Sequence 19, Appl
38	99.8	3.7	3540	3	US-08-842-079-16	Sequence 16, Appl
39	99.8	3.7	3540	4	US-09-638-857-16	Sequence 16, Appl
40	94	3.5	94	3	US-09-191-136-18	Sequence 18, Appl
41	92.4	3.4	394	3	US-09-191-136-27	Sequence 27, Appl
42	90.4	3.4	878	1	US-07-915-934-3	Sequence 3, Appl
43	90.4	3.4	878	1	US-08-325-743-3	Sequence 3, Appl
44	83.2	3.1	531	3	US-09-191-608-8	Sequence 8, Appl
45	66.4	2.5	25370	4	US-09-949-016-12109	Sequence 12109, A

ALIGNMENTS

RESULT 1

US-09-381-681-2
; Sequence 2, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1697
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (46)...(1338)
US-09-381-681-2

Query Match	56.3%	Score	1515.4	DB	3	Length	1697
Best Local Similarity	99.6%	Pred. No.	0				
Matches	1512	Conservative	0	Mismatches	6	Indels	0
Gaps	0						
QY	97	GTGGGCTCTCTCGCCAAAAGGCTACGAGCGGGACCTGGAAACCCAGTTTCCAT	156				
DB	180	GTGGGCGCTCTCTCGCCAAAAGGCTACGAGCGGGACCTGGAAACCCAGTTTCCAT	239				
QY	157	CATCACCAAACTCAAGGGTTTCGTCACCTCAGATCAAGGAGCTTGGAAACCGGCTGTG	216				
DB	240	CATCACCAAACTCAAGGGTTTCGTCACCTCAGATCAAGGAGCTTGGAAACCGGCTGTG	299				
QY	217	GGATGTGGCCGATTCGTGAAGCCACCTCAGGAGAGAACGTTCTTCTTGGTGACCAA	276				
DB	300	GGATGTGGCCGATTCGTGAAGCCACCTCAGGAGAGAACGTTCTTCTTGGTGACCAA	359				
QY	277	CTTCTCTGTGAGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGACCCGTCGTCCTT	336				
DB	360	CTTCTCTGTGAGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGACCCGTCGTCCTT	419				
QY	337	GGCTAACTGTGGGTGCGACGAGGACTGCCCGAAGGGAGGAGGACACACAGCCACCG	396				
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Db 480 TGTAAAAACAGGCCAGCTGTGTGTGTGTCAATGGGACCCACAGGACCTGTGAGATCTGGAG 539
Qy 457 TTGGTCCCAAGTGGAGAGTGGCGTTGTGCCCTCGAGGCCCTCTGCGCCCGAGCCAGAA 516
Db 540 TTGGTCCCGTGGAGAGTGGCGTTGTGCCCTCGAGGCCCTGTGCGCCCGAGCCAGAA 599
Qy 517 CTTTCACTGTTTCATCAAAAAACAGTCACTTCAAGTTCAGAACTTCTTAAGTCCAA 576
Db 600 CTTTCACTGTTTCATCAAAAAACAGTCACTTCAAGTTCAGAACTTCTTAAGTCCAA 659
Qy 577 TGCCTTGGAGACTGGGACCCACCTATTATTAAAGCACTGCGCTATGAACCAAAATTCAG 636
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Qy 637 CCCCTACTGTCCCGTGTTCGCAATGGGGAACCTCGTGGCCAAAGGCTGGAGGACCTTCGA 696
Db 720 CCCCTACTGTCCCGTGTTCGCAATGGGGAACCTCGTGGCCAAAGGCTGGAGGACCTTCGA 779
Qy 697 GGAACCTGGCGTTGCTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATGTGACTGGA 756
Db 780 GGAACCTGGCGTTGCTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATGTGACTGGA 839
Qy 757 CACCGGGGACTGTGGCTGTGGCTCACTACTCTTCCAGCTGCAGGAGAGGCTACAA 816
Db 840 CACCGGGGACTGTGGCTGTGGCTCACTACTCTTCCAGCTGCAGGAGAGGCTACAA 899
Qy 817 CTTTCAAGACGACCTCACTGTGGGAGCAACCGGGTGTGGAGGCCCGCACCTGCTCAA 876
Db 900 CTTTCAAGACGACCTCACTGTGGGAGCAACCGGGTGTGGAGGCCCGCACCTGCTCAA 959
Qy 877 GCTCTATGAATCCGCTTGCATCTCTGTGACCGGGCAGGCGAGGAACTTGGGCTCAT 936
Db 960 GCTCTATGAATCCGCTTGCATCTCTGTGACCGGGCAGGCGAGGAACTTGGGCTCAT 1019
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Db 1140 GAGGCCAAGGCCCGCAAGCAACCGCCAACTCTGTGTGGAGGAGCTGGCCCTTGATC 1199
Qy 1117 CCAAGCCGACTGGCGAGTGTCTCAGACGGAGCTCAGACCTGCACCCACGCGCACTGC 1176
Db 1200 CCAAGCCGACTGGCGAGTGTCTCAGACGGAGCTCAGACCTGCACCCACGCGCACTGC 1259
Qy 1177 TGTGGGAGTCAACACAGACACAGGATGGCCCTGTCCAAGTTCTGACACCCACTTGCC 1236
Db 1260 TGTGGGAGTCAACACAGACACAGGATGGCCCTGTCCAAGTTCTGACACCCACTTGCC 1319
Qy 1237 AACCCATTCGGGAGCTGTAGCGTTCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1296
Db 1320 AACCCATTCGGGAGCTGTAGCGTTCCCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1379
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Db 1440 TCCACCTTTGAACCCCGACAGCAAGTCCCTCCCTCTGACTCCACCTTGGTAGGGTGTGC 1499
Qy 1417 CTCAGGGAGCCATAGAACTGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1476
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Db 1560 ACTGGGAGACCCAGCAGGACCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1619

Qy 1537 CTGCTGCGTCTGGGCTGGAGGTCTCTCTCCAGTCTCTGTCCCAAGTCTTCTTAGCAG 1596
Db 1620 CTGCTGCGTCTGGGCTGAAGGTCTCTCTCCAGTCTCTGTCCCAAGTCTTCTTAGCAG 1679
Qy 1597 AGGTATGCTTACCAGCTG 1614
Db 1680 AGGTATGCTTACCAGCTG 1697

RESULT 2

US-09-191-136-30
; Sequence 30, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: BURGARD, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequencing Primer (polynucleotide)
US-09-191-136-30

Query Match 43.2%; Score 1162.4; DB 3; Length 1360;
Best Local Similarity 99.9%; Pred. No. 1.1e-286;
Matches 1163; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 97 GTGGGCTCTCTCGCCAAAAGGCTACCGAGCGGACCTGGAAACCCAGTTTTCAT 156
Db 180 GTGGGCTCTCTCGCCAAAAGGCTACCGAGCGGACCTGGAAACCCAGTTTTCAT 239
Qy 157 CATCAACCAACTCAAGGGGTTCCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTG 216
Db 240 CATCAACCAACTCAAGGGGTTCCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTG 299
Qy 217 GGAATGCGCGACTTCTGTGAAGCCACTCAAGGAGAGAACGTTTCTTCTTGGTGAACCA 276
Db 300 GGAATGCGCGACTTCTGTGAAGCCACTCAAGGAGAGAACGTTTCTTCTTGGTGAACCA 359
Qy 277 CTTCTCTGTGAGCGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGCACCGTCCGTCCTCAT 336
Db 360 CTTCTCTGTGAGCGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGCACCGTCCGTCCTCAT 419
Qy 337 GGTAACTGTGGGTTCGACGAGGACTGCCCGAAGGGGAGGAGGACACACAGCCACGG 396
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Qy 397 TGTAAAAACAGGCCAGTGTGTGTGTCAATGGGAGCCACAGGACCTGTGAGATCTGGAG 456
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Qy 457 TTGTGTGCCAGTGGAGAGT 516

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Qy 517 CTTTACACTGTTTCATCAAAAACACAGTCACTTTCAGCAAGTTCAACTTCTCTAAGTCCAA 576
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Qy 577 TGCCTTGGAGACTGGGAGCCCACTTATTTTAAGCACTGCGCTATGAACCAATTCAG 636
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Qy 637 CCCCTACTGTCGGTCTCGGCAATGGGACCTCTGTCGCGCCAGGCTGGAGGACCTTCA 696
Db 720 CCCCTACTGTCGGTCTCGGCAATGGGACCTCTGTCGCGCCAGGCTGGAGGACCTTCA 779
Qy 697 GGACCTGGGCTTCTGCTGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACTGGA 756
Db 780 GGACCTGGGCTTCTGCTGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACTGGA 839
Qy 757 CACCGGGACTCTGGGCTGCTGCTCACTACTCTTCCAGCTGCGAGGAGAGCTTACAA 816
Db 840 CACCGGGACTCTGGGCTGCTGCTCACTACTCTTCCAGCTGCGAGGAGAGCTTACAA 899
Qy 817 CTTTACGACGCACTCACTGTTGGAGCAACCGGCTGTGGAGCCCGCACCTGCTCAA 876
Db 900 CTTTACGACGCACTCACTGTTGGAGCAACCGGCTGTGGAGCCCGCACCTGCTCAA 959
Qy 877 GCTCTATGGAATCCGCTTCGACATCTCGTCAACCGGGCAGGAGGAGTTGGGCTCAT 936
Db 960 GCTCTATGGAATCCGCTTCGACATCTCGTCAACCGGGCAGGAGGAGTTGGGCTCAT 1019
Qy 937 CCCACGCGGCTCACTTGGGCAACCGGGCAGCTTGGCTGGGCTGGTCACTTTTTCG 996
Db 1020 CCCACGCGGCTCACTTGGGCAACCGGGCAGCTTGGCTGGGCTGGTCACTTTTTCG 1079
Qy 997 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1056
Db 1080 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1139
Qy 1057 GGAGGCCAAGGCCCGCAAGAACCGCCAACTCTGTGTGGAGGAGCTGGCCCTTGCAATC 1116
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Db 1200 CCAAGCCCGACTGGCCGAGTGCCTCAGACGGAGCTCAGCACTTGCACCCACGCGCACTGC 1259
Qy 1177 TGCCTGGAGTCAAGACAGACAGAGGATGGCCCTGTCCAAAGTTCTGAACCCACTTGC 1236
Db 1260 TGCCTGGAGTCAAGACAGACAGAGGATGGCCCTGTCCAAAGTTCTGAACCCACTTGC 1319
Qy 1237 AACCCATTCGGGAGCTGTAGCC 1260
Db 1320 AACCCATTCGGGAGCTGTAGCC 1343

RESULT 3
US-09-381-681-1
; Sequence 1, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1293
; TYPE: DNA

; ORGANISM: Human
US-09-381-681-1
Query Match 42.9%; Score 1155.8; DB 3; Length 1293;
Best Local Similarity 99.8%; Pred. No. 5.3e-287;
Matches 1157; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
Qy 97 GTGGGCTCTCTCGCCAAAAGAGGCTACCCAGAGCGGGACCTGGAAACCCAGTTTTTCCAT 156
Db 135 GTGGGCGCTCTCTCGCCAAAAGAGGCTACCCAGAGCGGGACCTGGAAACCCAGTTTTTCCAT 194
Qy 157 CATCAACCAACTCAAAAGGGTTTCCGTCACTCAGATCAAGAGCTTTGAAAACCGGCTGTG 216
Db 195 CATCAACCAACTCAAAAGGGTTTCCGTCACTCAGATCAAGAGCTTTGAAAACCGGCTGTG 254
Qy 217 GGATGTGCGGACTTCTGTGAAAGCCACCTCAGGAGAGAAACGTTCTTCTTGGTGACCAA 276
Db 255 GGATGTGCGGACTTCTGTGAAAGCCACCTCAGGAGAGAAACGTTCTTCTTGGTGACCAA 314
Qy 277 CTTTCTTGTAGCCAGCCCAAGTTTCAAGGAGAGATGCCAGAGCACCCGTCGCTCCCACT 336
Db 315 CTTTCTTGTAGCCAGCCCAAGTTTCAAGGAGAGATGCCAGAGCACCCGTCGCTCCCACT 374
Qy 337 GGCTAACTGCTGGGTGCGACGAGCACTGCCCGAAGGGAGGAGGACACACAGCCACCG 396
Db 375 GGCTAACTGCTGGGTGCGACGAGCACTGCCCGAAGGGAGGAGGACACACAGCCACCG 434
Qy 397 TGTAATAACGCGCAGTGTGTGTTCAATGGGACCCACAGAGCACTGTGAGATCTGGAG 456
Db 435 TGTAATAACGCGCAGTGTGTGTTCAATGGGACCCACAGAGCACTGTGAGATCTGGAG 494
Qy 457 TTGTGTCGCCAGTGGAGAGTGGCGTTGTGCTTCAAGAGGCCCTTGTGGCCCGAGCCAGAA 516
Db 495 TTGTGTCGCCAGTGGAGAGTGGCGTTGTGCTTCAAGAGGCCCTTGTGGCCCGAGCCAGAA 554
Qy 517 CTTTCACTGTTTCATCAAAAACACAGTCACTTCAAGCAAGTTCAAATTTCTTAAGTCCAA 576
Db 555 CTTTCACTGTTTCATCAAAAACACAGTCACTTCAAGCAAGTTCAAATTTCTTAAGTCCAA 614
Qy 577 TGCCCTTGGAGACTGGGACCCCACTATTTTAAGCACTTGCCTATGACCACTTTCAG 636
Db 615 TGCCCTTGGAGACTGGGACCCCACTATTTTAAGCACTTGCCTATGACCACTTTCAG 674
Qy 637 CCCCTACTGTCGCGTTCGCAATGGGAGCTCTGTGGCAAGGCTGGAGGAGCTTCA 696
Db 675 CCCCTACTGTCGCGTTCGCAATGGGAGCTCTGTGGCAAGGCTGGAGGAGCTTCA 734
Qy 697 GGACCTGCGTGTGCTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGAGCTGGA 756
Db 735 GGACCTGCGTGTGCTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGAGCTGGA 794
Qy 757 CACCGGGAGCTTGGCTGCTGCTTCACTTCTTCCAGCTGCGAGGAGAGCTTACAA 816
Db 795 CACCGGGAGCTTGGCTGCTGCTTCACTTCTTCCAGCTGCGAGGAGAGCTTACAA 854
Qy 817 CTTTACGAGCAGCCACTCACTGTTGGGAGCAACCGGCTGTGGAGGCCCGCACCTTCTCAA 876
Db 855 CTTTACGAGCAGCCACTCACTGTTGGGAGCAACCGGCTGTGGAGGCCCGCACCTTCTCAA 914
Qy 877 GCTCTATGGAATTCGCTTTCGACATCTCTGTCAACCGGGCAGGAGGAGTTTCGGGCTCAT 936
Db 915 GCTCTATGGAATTCGCTTTCGACATCTCTGTCAACCGGGCAGGAGGAGTTTCGGGCTCAT 974
Qy 937 CCCCACGGCGCTCACACTGGGACCGGGCAGCTTGGCTGGGCTGGTCACTTTTTCG 996
Db 975 CCCCACGGCGCTCACACTGGGACCGGGCAGCTTGGCTGGGCTGGTCACTTTTTCG 1034
Qy 997 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1056
Db 1035 TGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTGGAGGACAAAGTATGA 1094
Qy 1057 GGAGGCCAAGGCCCGCAAGAACCGCCAACTCTGTGTGGAGGAGCTGGCCCTTGCATC 1116

635 AGCCCTACTGTCCTGCTGTCGCAATGCGGACCTCGTGGCCAGGCTGGAGGACCTTC 694
712 AACCACTACTGCGCCATCTTCGACCTGCTCCATCGTCCGCTGGCGCGGAGCGACTTC 771
695 GAGGACCTGGCTGCTGCTGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 754
772 CAGGATATAGCCCTGCGAGGCTGCGGATAGGAAATTAATTAATTAATTAATTAATTA 831
755 GACACCGGCGACTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 809
832 GATAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 891
810 -----GCTACAACTTCAGGACGACCACTCACTGCTGCTGCTGCTGCTGCTGCTGCTG 850
892 TCAGAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 951
851 GGTGTGGAGCGCGGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 910
952 GGGGTGGAGTTCGCGACCTGATGAAGCTACGGGATCCGCTTTGACGTGATGCTGAAC 1011
911 GGGCAGGCGAGGAAGTTCCG 930
1012 GGCAGGGTCTTCTTCTG 1031

RESULT 6

US-09-016-434-831
; Sequence 831, Application US/09016434
; Patent No. 6500938
; GENERAL INFORMATION:
; APPLICANT: Janice Au-Young
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF SIGNALING
; TITLE OF INVENTION: PATHWAY GENE EXPRESSION
; NUMBER OF SEQUENCES: 1490
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/016,434
; FILING DATE: HEREWITH
; CLASSIFICATION:
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0002 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 831:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1750 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: SCORNOT01
; CLONE: 555697
; US-09-016-434-831

Query Match 8.9%; Score 239.2; DB 4; Length 1750;
Best Local Similarity 56.3%; Pred. No. 3.6e-51;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;
QY 152 TCCATCATCACCACAACTCAAGGGGTTTCCGTCACATCAGATCAAGGAGCTTCGGAACCGG 211
DB 214 TCCGTTACGACCAAGGTCAAGGGCGTGGCTGTGACCAACACTTCTAAACTTGGATTCGCG 273
QY 212 CTGTGGGATGTGGCGCACTTCGTGAAGCCACCTCAGGAGAGAAAGTGTCTTCTTGGTG 271
DB 274 ATCTGGGATGTGGCGGATTAATGATACCAAGCTCAGGAGGAAATCTCCCTCTTCGTCATG 333
QY 272 ACCAACTCTCTTGTGACGCGCAGCCCAAGTTCAAGGACAGATGCCAGAGACCCCGTCCGTC 331
DB 334 ACCAACGTGATCCTCACCATGAACACACACAGGCGCTGTGCCCGCAGATTC---CAGAT 390
QY 332 CCACTGGCTAACTGCTGGGTGACAGAGACTGCCCGAAGGGAGGAGGAGGACACACAGC 391
DB 391 CGCACCACTGTGTGTAAATCAGATGCCAGTGTACTGCGCGGCTCTGCCGGCACCCACAGC 450
QY 392 CACGGTGTAAAAACAGGCGCAGTGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATC 451
DB 451 AACGGAGTCTCAACAGGCGAGTGTGCTTCAACGGGTCCGTCAAGACGTGTGAGGTG 510
QY 452 TGGAGTTGGTGCCTCAGTGGAGAGTGGC---GTGTGTCCTCGAGGCCCTGCTGGCCCCAG 508
DB 511 GCGGCTGTGTCGCGGTGGAGGATGACACACAGTGCACCAACCTGCTTTTAAAGGCT 570
QY 509 GCCGAGAACTTCACTGTTTCAATCAAAAACACAGTCACTTCAGCAAGTTCAACTTCTCT 568
DB 571 GCAGAAAATCTTCACTCTTTTGGTTAAGAACCAACATCTGGTATFCCCAATTTAATTTACG 630
QY 569 AAGTCCAATGCTTCGAGACCTGGGACCCCACTTATTTAAGCACTTGCCTGATTAACCA 628
DB 631 AAGAGAAATATCTTCCCAACATCACTACTTACCTCAAGTGTGCAATTTATGATGT 690
QY 629 CAATTCAGCCCCCTACTGTCCCGTGTTCGCAATTTGGGACCTCGTGGCCAAAGCTGGAGG 688
DB 691 AAAACAGATCCCTTCTGCCCCATATTCGCTCTTGGCAAAATAGTGGAGAACGAGGACAC 750
QY 689 ACCTTCGAGGACCTGGCGTGTGCTGGTGTGCTGTAGGATCAGAGTTCACTGGGATTTGT 748
DB 751 AGTTTCCAGGACATGGCGTGGAGGAGGACATCATGGGCATCCAGGTCAACTGGGACTGC 810
QY 749 GACCTGGACACCGGGGACTCTGGCTGTGGCTCACTCTCTTCCAGCTGCAGGAGAGA-- 806
DB 811 AACCTGGACAGAGCGCCCTCCCTCTGCTTGGCCAGGTACTCTTCCGCGCCCTCGATACA 870
QY 807 -----AGAGCTACAACTTTCCAGGACGACCACTCACTGGTGG 841
DB 871 CGGGAGCTTGAGCACAACTATCTCTGCTTACAAATTTTCAGGTTTGGCAAGTACTACAGA 930
QY 842 GAGCAACCGGGTGTGGAGCGCGCACTCTGCTCAAGCTCTATGGAATTCGCTTCAATC 901
DB 931 GACCTGGCTGGCAACGAGCAGCGCAGCTCATCAAGGGCTATGGCATTCGCTTCCGATC 990
QY 902 CTCGTCACCGGCGAGGAGGAGTTCCGGCTCATCCCGCGCTGCACACTGGGCGACC 961
DB 991 ATTTGTTTGGGAGGCGAGGAGAAATTTGACATCATCCCCCATATGATCAACATCGGCTCT 1050
QY 962 GGGGCGAGCTTGGCTGGGGGTGCTCACCTTTTCTGTGACCTGCTACTGCTGTATGATG 1021
DB 1051 GCGCTGGCACTGCTAGGACATGGCGACCGTGTGTGTGACATCATAGTCTCTTACTG 1110
QY 1022 AGAAGAGCCCATTTCTACTTGGAGGACAAAGTATGAGGAG 1061
DB 1111 AGAAAAGACTCTACTATCGGAGAGAAATATAAATATG 1150

RESULT 7

US-08-742-621-2
; Sequence 2, Application US/08742621
; Patent No. 5856129

Db 267 ATCTGGGATGCGGATTAATGATACAGCTCAGGAGGAAACTCCCTCTTCTGTCATG 326
QY 272 ACCAACTTCCTGTGACGCGCAGCCCAAGTTTCAGGGCAGATGCCAGAGCACCGCTCGCTC 331
Db 327 ACCAACTGATCTTACCATGAACAGACACAGGCTGTGCCCGGATTC---CAGAT 383
QY 332 CCACTGGCTAACTGCTGGTTCGACGAGGATGCCCGGAGGGAGGGAGGACACACAGC 391
Db 384 GCGACCACTGTGTGTAATCAGATGCCAGCTGTACTGCGGGCTCTGCCGACCCACAGC 443
QY 392 CAGGTGTAATAACAGCAGCAGTGTGGTTCATATGGGACCCACAGGACCTGTGATC 451
Db 444 AACGGAGTCTCAACAGCAGCTGCTAGCTTTCAACGGGCTTCAGAGCTGTGAGGTG 503
QY 452 TGGAGTTGGTGGCCAGTGAGAGTGGC---GTTGTGCCCTCGAGGCGCTCTGCTGGCCAG 508
Db 504 GCGGCTGTGTCGCGGTGGAGGATGACACACAGTGCACAACTGCTGTTTTAAAGGCT 563
QY 509 GCCCAGAACTTCACTGTTTCATCAAAACACACAGTCACTTCAGCAAGTTTCACTTCTCT 568
Db 564 GCAGAAACTTCACTCTTTTGGTTAAGAACACACATCTGGTATCCCAAATTTAATTTTCAGC 623
QY 569 AAGTCCAAATGCCCTTGGAGACTGGGACCCACACCTATTTTAAAGCACTGCCCTATGAACCA 628
Db 624 AAGAGGAATATCTTCCCAACATCACCACTACTTACCTCAAGTCTGTGATTTATGATGCT 683
QY 629 CAATTCAGCCCTACTGTCGCGTTCGCAATTTGGGACCTCTGTCGCAAGCTGTGAGGG 688
Db 684 AAACAGATCCCTTCTGCCCCATATTCGCTTGGGAAATATGAGGAAACGAGGACAC 743
QY 689 ACCTTCAGGACCTGGCTGTGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTG 748
Db 744 GGTTCAGGACATGGCGTGGAGGAGGCATCATGGGCATCCAGGTCAACTGGGACTGC 803
QY 749 GACTGGAACACCGGAGACTCTGGCTGTGGCTCTCACTCTTCAAGTCTGAGGAGA-- 806
Db 804 AACCTGACAGACCGCGCTCCCTCTGCTTGGCCAGGTAATCTCTTCCGCGCTCGATACA 863
QY 807 -----AGAGCTACAACTTCAGGACGCCACTCACTGGTGG 841
Db 864 CGGAGCTGTGAGCACAACTATCTCTGGCTCAATTTCAAGTTTCCAAAGTACTACAGA 923
QY 842 GAGCAACCGGCTGTGAGGCGCCGACCTCTCAAGCTCTATGGAATCCGCTTCGACATC 901
Db 924 GACTGTGCTGCAACAGCAGCAGCGCTCATCAGGCTATGGCATCCGCTTCGACATC 983
QY 902 CTGCTACCGCGGAGGAGGAGTTCGGGCTCATCCCAAGGCGGTCACTGGGAGCC 961
Db 984 ATTGTGTTTGGGAGGAGGAGGAAATTTGACATCATCCCCACTATGATCAACATCGGCTCT 1043
QY 962 GGGGAGCTTGGCTGGGCGTGGTCACTTTTCTGTGACCTGCTACTGCTGTATGTTGAT 1021
Db 1044 GGCTGGCACTGTAGGCATGGGACCGCTGCTGTGACATCATATGCTCTACTGATG 1103
QY 1022 AGAAGAGCCATTTCTACTGGAGGACAAAGTATGAGGAGG 1061
Db 1104 AAGAAAGACTCTACTACTCTGAGAGAGAAATATAATATG 1143

RESULT 9

US-09-949-016-3548
; Sequence 3548, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FASTSEQ for Windows Version 4.0
; SEQ ID NO 3548
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Human
; US-09-949-016-3548

Query Match
Best Local Similarity 56.2%; Pred. No. 8.3e-51;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCCATCATCACCACAACTCAAGGGGTTTCGTCACCTCAGATCAAGGCTTGGAAACCGG 211
Db 214 TCGGTTACACCAAGGTCAAGGGCGTGGCTGTGACCAACTTCTTAACTTGAATCCCG 273
QY 212 CTGTGGGATGTGCCGACTTCGTGAAGCACCCTCAGGAGAGAACTGTGTTCTTCTTGGTG 271
Db 274 ATCTGGGATGTGGCGATTTATGTATACCACTCAGGAGGAAACTCCCTCTTCTGTCATG 333
QY 272 ACCAACTTCTTGTGACGCGACCCAAAGTTTCAGGGCAGATGCCAGAGCACCGTCCGTC 331
Db 334 ACCAACTGATCTCCTCACCATGAACACAGACACAGGGCTGTGCCCGGAGATTC---CAGAT 390
QY 332 CCATGGCTAACTGTCTGGGTGACAGAGGACTGCCGAGGGAGGAGGAGGACACACAGC 391
Db 391 GCGACCACTGTGTGTAATCAGATGCCAGCTGTACTGCGCGCTCTGCCGACCCACAGC 450
QY 392 CACGGTGAATAAACAGCCAGTGTGTGTTTCAATGGGACCCACAGGACTCTGTGAGATC 451
Db 451 AACGGATCTCAACAGGAGTGTGCTTTCACGGGTCTGTCAAGAGTGTGAGGTG 510
QY 452 TGGAGTTGTGTCCTCAGTGGAGAGTGGC---GTTGTGCTCTCGAGGCGCTCTGTCGGCCAG 508
Db 511 GCGGCTGTGTCGCGGTGGAGGATGACACACAGCTGCCACAACTGCTTTTTAAAGGCT 570
QY 509 GCCCAGAACTTCACACTGTTTCATCAAAACACAGTCACTTCAGCAAGTTTCACTTCTCT 568
Db 571 GCAGAAACTTCACTCTTTTGGTTAAGAACAACTGCTGTATCCCAAATTTAATTTTCAGC 630
QY 569 AAGTCCAACTTCCTTGGAGACCTGGGACCCACCTATTTTAAAGCACTGCCCTATGAACCA 628
Db 631 AAGAGGAATATCTTCCCAACATCACCATACTTACTCAAGTCTGTCATTTATGATGCT 690
QY 629 CAATTCAGCCCTTACTGTCTCCGATTTCCGATTTGGGACCTCGTGGCCAAAGGCTGAGGG 688
Db 691 AAAACAGATCCCTTCTGCGCCATATTTCCGTCTTGGCAAATAAGTGGAGAACGAGGACAC 750
QY 689 ACCTTCAGGACCTGGCGTGTGCTGGTGGCTCTGTAGGACATCAGAGTTCACTGGGATGTT 748
Db 751 AGTTTCAGGACATGCGCGTGGAGGAGGACATCATGGGCATCCAGGTCACTGGGACTGC 810
QY 749 GACTGGACACCGGGACTCTGGCTGCTGGCTCACTTCTCTTCCAGCTGACGAGGAGA-- 806
Db 811 AACCTGGAACAGCGCCCTCCCTCTGCTTGGCCAGGTAATTTGACATCATCCCCACTATGATCAACATCGGCTCT 870
QY 807 -----AGAGCTACAACTTCAGGACGCCACTCACTGGTGG 841
Db 871 CGGAGCTGTGAGCACAACTATCTCTCGCTCAATTTTCAGGTTTCCCAAGTACTACAGA 930
QY 842 GAGCAACCGGCTGTGAGGCGCCGACCTGTCTCAAGCTCTATGGAATCCGCTTCGACATC 901
Db 931 GACTGTGCTGGCAACAGCAGCAGCGCTCATCAAGGCTATGAGCATCCGCTTCGACATC 990
QY 902 CTGCTCACCGCGGAGGAGGAGTTCGGGCTCATCCCAAGGCGCTGTCACACTGGGAGCC 961
Db 991 ATTGTGTTTGGAGGAGGAGGAAATTTGACATCATCCCCACTATGATCAACATCGGCTCT 1050
QY 962 GGGGAGCTTGGCTGGGCGTGGTCACTTTTCTGTGACCTGCTACTGCTGTATGTTGAT 1021

Db 1051 GGCTGGCACTGCTAGGCATGGCGACCGTCTGTGTGACATCATAGTCTCTACTGCATG 1110
QY 1022 AGAAGAGCCCATTTCTACTGGAGGACAAAGATATGAGGAGG 1061
Db 1111 AAGAAAGACTCTACTATCGGAGAGAAATATAATATG 1150

RESULT 10
US-09-949-016-4136
; Sequence 4136, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4136
; LENGTH: 2597
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-4136

Query Match 8.7%; Score 233.4; DB 4; Length 2597;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

QY 164 AACTCAAGGGGTTTCCTGCTACTGATCAAGGAGCTTGGAAACCGGCTGTGGATGG 223
Db 376 AACTCAAGGGGCTGGCGGTGACCCAGCTCCCTGGCTCGGCCCGGCTGTGGATGG 435
QY 224 GCGGACTTCTGTAAGCCACTCAGGGAGAGACGTCTTCTTGTGTGACCAACTTCTT 283
Db 436 GCTGACTACTGTTCCAGCCAGGGGAGCACTCTCTGTGTGATGACCAATTTCATC 495
QY 284 GTGACCCAGCCCAAGTTCAGGCGAGATGCCAGAGCACCGGTCCGTCCACTTGGCTAAC 343
Db 496 GTGACCCAGCCCAAGTTCAGGCTACTCAAGGCTACTGCGCAGACACCC-----AGAAGGGGGCATA 549
QY 344 TGCTGGGTGACGAGGACTGCCCGAAGGGGAGGAGGACACACAGCCACCGTGTAAAA 403
Db 550 TGAAGGAAGACAGTGGCTGTACCCCTGGGAAGGCCAAGAGGAGGCCCAAGGCAATCCGC 609
QY 404 ACAGGCCAGTGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATCTGGAGTTGGTGC 463
Db 610 ACGGGCAAGTGTGTGCTTCAACGACATGTGAAGACGTGTGAGATCTTTGGCTGGTGC 669
QY 464 CAGTGGAGAGTGGCGTTGTGGCTTCAGGC---CCCTGCTGGCCCGAGCCCGCAGAACTTC 520
Db 670 CCGTGGAGTGGATGACGACATCCCGCGCTTCTCGAGAGGCCGAGAACTTC 729
QY 521 ACATGTTTCATCAAAACACAGTCACTTTCAGCAAGTTCACCTTCTTAAGTCCCAATGCC 580
Db 730 ACTCTTTTTCATCAAGAACAGATCAGCTTTTCCAGCTTCAAGGTCAACAGGGCGCACTTG 789
QY 581 TTGGAGACCTGGGACCCACCTATTTTAAGCACTGCGGCTATGAACCAAAATTTCAAGCCCC 640
Db 790 GTGGAGGAGTGAATGCTGCCACATGAAGACCTGCTCTTTCACAGACCCCTGCACCCC 849
QY 641 TACTGTCCGTGTTCCGCAATTTGGGAGCCTCTGTTGGCCCAAGGCTGGAGGAGCACTTTCAGGAGAC 700
Db 850 CTGTGCCAGTCTTCCAGCTTGGCTACGTGGTGAAGAGTCAAGGCGCAGAACTTTCAGCACC 909
QY 701 CTGGCGTTGCTGGTGGCTCTGTAGGCATCAGAGTTTCATCTGGGATTTGTGACCTTGGACACC 760

Db 910 CTGGCTGAGAGGGTGGAGTGTGGCATCACCATCGACTGCATCTGTGACCTGTGACTGG 969
QY 761 GGGGACTCTGGCTGCTGGCCTCACTACTCTTTCCAGCTGCGAGGAGAAGA-----809
Db 970 CAGGTACGGCACTGCAGACCCCATCTATGAGTTCCATGGCTGTACGAAGAGAAAATCTC 1029
QY 810 -----GCTACAACCTTACGGACAGCCACTCACTGGTGGGAGCAACCGGGTGTGGAGGCC 862
Db 1030 TCCCCAGGCTTCAACTTCAGGTTTCCAGGCACATTTTGTGGAGAAC---GGGACCAACTAC 1086
QY 863 CGCACCCCTGCTCAAGCTCTATGGAATCCGCTTTCGACATCTCTGTCACCGGCGAGGCGAGG 922
Db 1087 CGTCACTCTTCAAGGTGTTTGGGATTCGCTTTGACATCTCTGTTGAGACCGCAAGGCCGGG 1146
QY 923 AAGTTGGGGCTCATCCCCACGCCCTCACACTGGGCGACCGGGCGAGCTTTGGCTGGGCGTG 982
Db 1147 AAGTTTGACATCATCCCTACAATGACCACTCGGCTCTGGAATTTGGCATCTTTGGGGTG 1206
QY 983 GTCACTTTTCTGTGACCTGCTACTGCTGTATGTGATGTGGATAGAGAAGCCCATTTCTACTGG 1042
Db 1207 GCCACAGTCTCTGTGACCTGCTGCTGTCTTCATCATCTCTGCTTAAGAGGCGCACTACTACAAG 1266
QY 1043 AGGACAAAGTATGAGGAGGCCCAAGGCC 1069
Db 1267 CAGAAGAGTTTCAAAATACGCTGAGGAC 1293

RESULT 11
US-08-750-134A-10
; Sequence 10, Application US/08750134A
; Patent No. 5985603
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2x RECEPTORS (PURINOCEPTOR FAMILY)
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/750,134A
; FILING DATE: 22-JAN-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4006
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 10:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2643 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: cDNA
US-08-750-134A-10

Query Match 8.7%; Score 233.4; DB 2; Length 2643;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

164 AAATCTAAAGGGGTTTCCTGTCATCTAGATCAAGAGCTTGGAAACCGGCTGTGGGATGTG 223
375 AAATCTAAAGGGGCTTGGCGCTGACCCAGCTCCCTGGCTCGGCCCCAGGCTCTGGGATGTG 434
224 GCCGACTTCTGTAAGCCACTCAGGAGGAGAACTGTTCTTCTTGTGTGACCACTTCCTT 283
435 GCTGACTTACGCTTCCAGCCCAAGGGGAGAACTCTCTTGTGTGATGACCAATTTTCATC 494
284 GTGACGCCAGCCCAAGTTTCAAGGCGAGATGCCAGAGCACCCGTCCTGCCACTTGGCTAAAC 343
495 GTGACCCCGAAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGNAGGGGCAATA 548
344 TGTGTGGTGCAGCAGACTGCTCCGAAAGGGAGGAGGACACACAGACCCAGCTGTGTAATA 403
549 TGAAGGAAGACAGTGGCTGTACCTCTGGGAGGCCAAGAGGAGGAGGCCCAAGGCATCCGC 608
404 ACAGGCGAGTGTGTGTTCAATGGAGCCACAGAGACTGTGAGATCTGGAGTTGGTGC 463
609 ACGGCAAGTGTGTGGCTTCAACGACACTGTGAAGACGTGTGAGATCTTGGCTGGTGC 728
464 CCAAGTGGAGAGTGGCGTTGTGCCCTCGAGGC---CCCTGTGCGCCAGGCCCAAGAACTTC 520
669 CCGTGGAGTGTGATGACGACATCCCGGCCCTGCTCTCCAGAGGCGCGAGACTTC 788
521 ACCTGTTCATCAAAACACAGTCACTTCAGCAAGTTCACACTTCTCTAAGTCCAAATGCC 580
729 ACTCTTTTCATCAAGAACAGCATCAGCTTTCACGCTTCAAGGTCAACAGGCGCAACTG 788
581 TTGGAGACTGGGACCCCACTTATTTAAGCACTGGCGCTATGAAACCAACAAATTCAGCC 640
789 GTGGAGGAGTGAATGCTGCCCAACATGAAGACCTGCTCTTTCACAGACCCCTGCAACCC 848
641 TACTGTCCCGTGTTCGCGATTTGGGAGCTCGTGCCCAAGGCTGGAGGACCTTTCAGGAG 700
849 CTGTGCCAGTCTTCAGCTTGGCTAGTGGTGTGCAAGACTCAGGCCAGAACTTCAGCACC 908
701 CTGGCGTTGCTGGTGGCTCTGTAGGATCAGAGTTCACTGGGATTTGACCTTGGACACC 760
909 CTGGCTGAGAGGGTGGAGTGGTGTGGCATCACCATCGACTGGGCACTGTGACCTGGACTG 968
761 GGGGACTCTGGCTGGCTCTACTCTCTTCCAGTTCGAGGAGAA-----809
969 CAGTACCGGCACTGCGAGACCATCTATGATTTCCATGGGCTGTAAGAAGAGAAATCTC 1028
810 -----GCTACAACTTCAGGACAGCAGCTCACTGTGGGAGCAACCGGCTGTGGAGGCC 862
1029 TCCCCAGGCTTCACTTCAGTTTTCAGGAGCACTTGTGGAGAAC---GGGACCACTAC 1085
863 CGCACCTCTGCTCAAGCTCTATGGAATCCGCTTCGACATCTCTGTCACCGGCGAGGAGG 922
1086 CGTCACCTCTTCAAGGTTTGGGATTCGCTTTTGACATCTCTGTGGAGCGCAAGGCGGG 1145
923 AGTTGGGGTCTATCCGAGCGGCTGACACTGGGACCGGGGACGCTGGCTGGGCGGTG 982
1146 AAGTTTGACATCATCTCAATGACCAACCATCGGCTCTGGAATGGGCACTTCTTGGGGTG 1205
983 GTCACTCTTCTGTGACCTGCTACTGCTGTATGTGATAGAGAGCCCAATTTCTACTG 1042
1206 GCCACAGTCTCTGTGACCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1265
1043 AGGACAAAGTATGAGGAGGCGCAAGGCC 1069
1266 CAGAAGAGTTCAATACGCTGAGGAC 1292

RESULT 12

US-09-363-745-10
; Sequence 10, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2X RECEPTORS (PURINOCCEPTOR FAMILY)

NUMBER OF SEQUENCES: 11
CORRESPONDENCE ADDRESS:
ADDRESSEE: NIXON & VANDERHYE P.C.
STREET: 1100 NORTH GLEBE ROAD
CITY: ARLINGTON
STATE: VIRGINIA
COUNTRY: U.S.A.
ZIP: 22201-4714
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/363,745
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/750,134
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: CRAWFORD, ARTHUR C.
REGISTRATION NUMBER: 25,327
REFERENCE/DOCKET NUMBER: 1430-116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 816-4006
TELEFAX: (703) 816-4100
INFORMATION FOR SEQ ID NO: 10:
SEQUENCE CHARACTERISTICS:
LENGTH: 2643 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: cdna
US-09-363-745-10

Query Match 8.7%; Score 233.4; DB 3; Length 2643;

Best Local Similarity 56.7%; Pred. No. 1.4e-49;

Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

QY 164 AAATCTAAAGGGGTTTCCTGTCATCTAGATCAAGAGCTTGGAAACCGGCTGTGGGATGTG 223
DB 375 AAATCTAAAGGGGCTTGGCGCTGACCCAGCTCCCTGGCTCGGCCCCAGGCTCTGGGATGTG 434
QY 224 GCCGACTTCTGTAAGCCACTCAGGAGGAGAACTGTTCTTCTTGTGTGACCACTTCCTT 283
DB 435 GCTGACTTACGCTTCCAGCCCAAGGGGAGAACTCTCTTGTGTGATGACCAATTTTCATC 494
QY 284 GTGACGCCAGCCCAAGTTTCAAGGCGAGATGCCAGAGCACCCGTCCTGCCACTTGGCTAAAC 343
DB 495 GTGACCCCGAAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGNAGGGGCAATA 548
QY 344 TGTGTGGTGCAGCAGACTGCTCCGAAAGGGAGGAGGACACACAGACCCAGCTGTGTAATA 403
DB 549 TGAAGGAAGACAGTGGCTGTACCTCTGGGAGGCCAAGAGGAGGAGGCCCAAGGCATCCGC 608
QY 404 ACAGGCGAGTGTGTGTTCAATGGAGCCACAGAGACTGTGAGATCTGGAGTTGGTGC 463
DB 609 ACGGCAAGTGTGTGGCTTCAACGACACTGTGAGACGTGTGAGATCTTGGCTGGTGC 668
QY 464 CCAAGTGGAGAGTGGCGTTGTGCCCTCGAGGC---CCCTGTGCGCCAGGCCCAAGAACTTC 520
DB 669 CCGTGGAGTGTGATGACGACATCCCGGCCCTGCTCTCCAGAGGCGCGAGAACTTC 728
QY 521 ACACGTGTTTCATCAAAACACAGTCACTTCAGCAAGTTCACACTTCTCTAAGTCCAAATGCC 580
DB 729 ACTCTTTTCATCAAGAACAGCATCAGCTTTCACGCTTTCAGGTTCAACAGGCGCAACTG 788
QY 581 TTGGAGACTCTGGGACCCCACTTATTTAAGCACTGGCGCTATGAAACCAACAAATTCAGCC 640
DB 789 GTGGAGGAGTGAATGCTGCCCAACATGAAGACCTGCTCTTTCACAGACCCCTGCAACCC 848
QY 641 TACTGTCCCGTGTTCGCGATTTGGGAGCTCGTGCCCAAGGCTGGAGGACCTTTCAGGAG 700

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Db 849 CTGTGCCAGTCTTCAGCTTGGCTAGCTGGTGCAGAGTCCAGCCAGAACTTCAGCAC 908
QY 701 CTGGCTGTGGTGGCTCTGTAGCATCAGAGTTTCACTGGGAATGTGACCTGGGACAC 760
Db 909 CTGGCTGAGAAAGGTGGAGTGGTTGGCATCACCATCGACTGGCACTGTGACCTGGACTG 968
QY 761 GGGGACTCTGGCTGGCTCACTACTCTTCCAGCTGCAGGAGAAGA----- 809
Db 969 CAGGTACGGCACTGCAGACCCATCTATGATTTCCATGGGCTGTACGAAGAGAAAATCTC 1028
QY 810 -----GCTACAACTTCAGGACAGCACTCACTGTGGGAGCAACCGGCTGTGGAGGCC 862
Db 1029 TCCCCAGGCTTCACTTCAGTTTGCAGGCACTTTGTGAGAAC-----GGGACCACTAC 1085
QY 863 CGCACCTCTCAAGCTCTATGGAATCCGCTTCGACATCTCGTCAACCGGCGAGGCGAGG 922
Db 1086 CGTCACCTCTCAAGGTGTGGGAATCGCTTTGACATCTCGTGGACGCAAGGCCGGG 1145
QY 923 AAGTTGGGCTCATCCCCAGGCGCTCACTGGGCAACCGGGCAGCTTGGCTGGCGTG 982
Db 1146 AAGTTGACATCATCCCTACAATGACCACCATGGCTCTGGAATTGGCATCTTTGGGGTG 1205
QY 983 GTCACCTTTTCTGTGACCTGTACTGTCTGTATGTGGATAGAGAGCCCAATTTCTACTGG 1042
Db 1206 GCCACAGTTCTCTGTGACCTGTCTGTCTGTCTCACTCTCGCTTAAGAGGCACTACTACA 1265
QY 1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
Db 1266 CAGAAGAAGTTCAAATACGCTGAGGAC 1292
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RESULT 13

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US-09-023-655-897
; Sequence 897, Application US/09023655
; Patent No. 6607879
; GENERAL INFORMATION:
; APPLICANT: Cocks, Benjamin G.
; APPLICANT: Susan G. Stuart
; APPLICANT: Jeffrey J. Seilhamer
; TITLE OF INVENTION: COMPOSITION FOR THE DETECTION OF BLOOD CELL GENE
; TITLE OF INVENTION: EXPRESSION
; NUMBER OF SEQUENCES: 1508
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: INCYTE PHARMACEUTICALS, INC.
; STREET: 3174 PORTER DRIVE
; CITY: PALO ALTO
; STATE: CALIFORNIA
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Word Perfect 6.1 for Windows/MS-DOS 6.2
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/023,655
; FILING DATE: HERewith
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Zeller, Karen J.
; REGISTRATION NUMBER: 37,071
; REFERENCE/DOCKET NUMBER: PA-0001 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 855-0555
; TELEFAX: (650) 845-4166
; INFORMATION FOR SEQ ID NO: 897:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 2643 base pairs
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; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; IMMEDIATE SOURCE:
; LIBRARY: GENBANK
; CLONE: g1166437
; US-09-023-655-897

Query Match 8.7%; Score 233.4; DB 4; Length 2643;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

QY 164 ABACTCAAGGGGTTTCGGTCACTCAGATCAAGAGAGCTTGGAAACGGCTGTGGGATG 223
Db 375 AACTCAAGGGGCTGGCGGTGACCAGCTTCCGCTCGGCCCGAGGTCTGGGATG 434
QY 224 GCGCACTTCTGAAGCCACCTCAGGGAGAGAACTGTCTTCTTGTGTACCAACTTCTCT 283
Db 435 GCTGACTAGTCTTCCAGCCCGGGGACAACTCTTCTGTGGTCAATGACCAATTTTATC 494
QY 284 GTGACGCCAGCCAAAGTTCAAGGGCAGATGCCAGAGCACCCCTCGTCCCACTGGCTAAC 343
Db 495 GTGACCCCGAAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGAAGGGGCATA 548
QY 344 TGCTGGGTGCGAGGAGCTGCCCGAAGGGGAGGAGGCACACACAGCCACCGTGTAAA 403
Db 549 TGCAAGGAGAGCAGTGGCTGTACCTCTGGGAAGGCCAAGAGGAAGGCCCAAGGCATCCGC 608
QY 404 ACAGGCCAGTGTGTGTGTTCAAATGGGACCCACAGAGCCTGTGAGATCTGGAGTTGGTGC 463
Db 609 ACGGCAAGTGTGTGGCTTCAACGACACTGTGAAGACGTGTGAGATCTTTGGCTGGTGC 668
QY 464 CCAGTGGAGAGTGGCGTTGTGCCCTCGAGGC---CCCTGTGGGCCACAGGCCCAGAACCTTC 520
Db 669 CCGGTGGAGTGGATGACGACATCCGCGCCCTTCTCCGAGAGGCCGAGAACTTC 728
QY 521 ACACGTGTTCAACAAAACACAGTCACTTCAAGAGTTCACTTCTCTAAGTCCCAATGCC 580
Db 729 ACTCTTTTCAACAAGACAGATCAGCTTTCACGCTTCAAGGTCAACAGGGCGCAACTG 788
QY 581 TTGGAGACCTTGGGACCCCACTTATTTAAGCACCTCCGCTATGAACCACTTCAAGCTTC 640
Db 789 GTGGAGGAGGTGAATGCTGCCACATGAAGACCTTCTTCAAGACCTTGCACCCC 848
QY 641 TACTGTCCGTTTCCGCACTTGGGACCTGTGGCCAAAGGCTGGAGGAGCACTTTCAGAGAC 700
Db 849 CTGTGCCAGTCTTCCAGCTTGGCTACGTTGGTGAAGAGTCAAGGCCAGAACTTTCAGCAC 908
QY 701 CTGGGTTTGTGGGTGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGACCTGGACACC 760
Db 909 CTGGCTGAGAGGGTGGAGTGGTTGGCATCACCATCGACTGGCATGTGACCTGGACTGG 968
QY 761 GGGGACTCTGGCTGGCGCTCACTTCTTCCAGCTGCAGGAGAAGA----- 809
Db 969 CAGGTACGGCACTGCAGACCCATCTATGATTTCCATGGGCTGTACGAAGAGAAAATCTC 1028
QY 810 -----GCTACAACTTCAGGACAGCACTCACTGGTGGGAGCAACCGGCTGTGGAGGCC 862
Db 1029 TCCCCAGGCTTCAACTTCAAGTTTCCAGGCACTTTTGTGGAGAAC---GGGACCAACTAC 1085
QY 863 CGCACCTCTCAAGCTCTATGGAATCCGCTTCCAGATCTCGTCAACCGGCGAGGCGAGG 922
Db 1086 CGTCACCTCTTCAAGGTGTGGGATTCGCTTTGACATCTGTGGTGAAGGCCGAGGCCGGG 1145
QY 923 AAGTTGGGCTCATCCCCAGGCGCTCACTTGGGCAACCGGGCGAGCTTGGCTGGCGCTG 982
Db 1146 AAGTTGACATCATCCCTACAATGACCACCATCGGCTCTGGAATTTGGCATCTTTGGGGTG 1205
QY 983 GTCACTTTTCTGTGACCTGTCTGTATGTGTGATAGAGAGCCCAATTTCTACTGG 1042
Db 1206 GCCACAGTCTCTGTGACCTGTCTGTCTTCACTCTCGCTTAAGAGGCACTACTACAAG 1265
QY 1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
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Db 1266 CAGAAGAAGTTCAAATACGCTGAGGAC 1292

RESULT 14

US-09-949-016-365
; Sequence 365, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 365
; LENGTH: 2643
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-365

Query Match 8.7%; Score 233.4; DB 4; Length 2643;
Best Local Similarity 56.7%; Pred. No. 1.4e-49;
Matches 526; Conservative 0; Mismatches 371; Indels 30; Gaps 4;

QY 164 AACTCAAGGGGTTTCCTCACTCAGATCAAGGACTTGGAAACCGCTGTGGATGG 223
Db 375 AACTCAAGGGGTTTCCTCACTCAGATCAAGGACTTGGAAACCGCTGTGGATGG 434
QY 224 GCGACTTCTGTAAGGCACCTCAGGGAGAGAACTGTTCTTCTGTGTGACCAACTTCTCTT 283
Db 435 GCTGACTAGTCTTCCAGCCAGGGGAGCACTCTTCTGTGTGATGACCAACTTCTCTT 494
QY 284 GTGACCCAGCCCAAGTTCAGGGCAGATGCCCCAGAGCACCGTGTCTTCTTCTTCTTCTT 343
Db 495 GTGACCCCAAGCAGACTCAAGGCTACTGCGCAGAGCACCC-----AGAAAGGGGCATA 548
QY 344 TGTGTGGTTCAGAGGACTGCCCCGAGAGGGGAGGAGGACACACAGACCACTGTGTAARA 403
Db 549 TGAAGGAAGACAGTGGCTGTACCCCTGGGAAGGCCAAGAGGAGGCCCAAGGCAATCCGC 608
QY 404 ACAGGCCAGTGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATCTGGAGTTGGTGC 463
Db 609 ACGGGCAAGTGTGTGCTTCAACGACATGTGAGACGCTGTGAGATCTTGTGTGTGTGC 668
QY 464 CCAGTGGAGAGTGGCTTGTGGCTTCGAGG---CCCTGTGTGGCCAGGCCCAAGAACTTC 520
Db 669 CCGTGGAGTGTGATGACACATCCCGCGCTTCTTCTGAGAGGCGGAGAACTTC 728
QY 521 ACAGTGTTCATCAAAACACAGTTCACGCAAGTTCAACTTCTTCTTCTTCTTCTTCTTCTT 580
Db 729 ACTCTTTTTCATCAAGAACAGCATCAGCTTTTCCACGCTTCAAGGTCAACAGGCGCAACTG 788
QY 581 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGCGGTATGAAACCAATTCAGCCCC 640
Db 789 GTGGAGAGGTGATGCTGCCCCACATGAGACCTGCTCTTTCAGAGCCCTGCAACCC 848
QY 641 TACTGTCCCGTGTTCGCAATGGGACCTCGTGGCCAAAGCTGGAGGGACCTTTCGAGGAC 700
Db 849 CTGTGCCAGTCTTCCAGCTTGGCTACGTGGTGAAGAGTCAAGGCCAGAACTTCAGCACC 908
QY 701 CTGGGCTTCTGTGGTGGCTCTGTAGGCACTCAGAGTTCACTGGGATGTGACCTTGCACACC 760
Db 909 CTGGCTGAGAAGGGTGGAGTGGTTGGCATCAACATCGACTGGCACTGTGACCTGGACTGG 968

QY 761 GGGGACTCTGGCTGTGGCTCACTACTCTTCCAGCTGCAGGAGAAGA----- 809
Db 969 CAGGTACGGCACTGCAGACCCCATCTATGAGTTCCATGGGCTGTACGAGAGAAAATCTC 1028
QY 810 -----GCTACAACCTTCAAGGACAGGCACTCACTGTGTGGAGCAACCGGGTGTGGAGGCC 862
Db 1029 TCCCCAGGCTTCAACTTCAGGTTTGCAGGCACTTGTGTGAGAAC---GGGACCAACTAC 1085
QY 863 CGCACCTGTCTCAAGCTCTATGGAATCCGCTTCGACATCTCTGTCAACCGGGCAGGAGGG 922
Db 1086 COTCACTCTTCAAGGTGTGGGATCGCTTTGACATCTCTGTGACCGGCAAGGCCGGG 1145
QY 923 AAGTTGGGCTCATCCCAAGCCGCTCACACTGGGCAACCGGGCAGCTTGGCTGGGCGTG 982
Db 1146 AAGTTTGACATCATCCCTACAATGACCACTCGGCTCTGGAATGGCATCTTTGGGGTG 1205
QY 983 GTCACTTTTCTGTGACCTGTACTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1042
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QY 1043 AGGACAAAGTATGAGGAGGCCAAGGCC 1069
Db 1266 CAGAAGAAGTTCAAATACGCTGAGGAC 1292

RESULT 15

US-09-949-016-4138
; Sequence 4138, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4138
; LENGTH: 1946
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-4138

Query Match 8.6%; Score 231.6; DB 4; Length 1946;
Best Local Similarity 58.1%; Pred. No. 3.4e-49;
Matches 500; Conservative 0; Mismatches 329; Indels 31; Gaps 4;

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QY 158 ATCAACAACTCAAGGGGTTTCCGTCACTCAGATCAAGAGGAGCTTGGAAACCGGCTGTGG 217
Db 235 ATCAACAAAGTCAAGGGGTTGCGCTTCCAAACACCTCGGATCTTGGGAGCGGATCTGG 294
QY 218 GATGTGGCGGCTTCTGTGAGCCACTCAGGGAGAGAGCTGTCTTCTTGTGTGACCAAC 277
Db 295 GATGTGGCGGCTTCTGTGAGCCACTCAGGGAGAGAGCTGTCTTCTTGTGTGACCAAC 354
QY 278 TTCTTGTGAGCCAGCCCAAGTTTCAGGGCAGATGCCAGAGCACCCGCTCCGCTCCACATG 337
Db 355 CTGATTTGTGACCCCA-ACCAGCGGAGAACTGTCTGTCTGAGATGAAGGCATTCCTGAT 413
QY 338 GCTAACTGTGGGTTCAGAGGACTGCCCGAAGGGGAGGAGGACACACAGACCAACGCT 397
Db 414 GCGCGTGTCTCCAAGGACAGGCACTGCCACGCTGGGGAAGCGGTTACAGCTGGAAACGGA 473

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QY 398 GTAAATAACAGGCGAGTGTGTGTG-----TTCAATGGAGCCACAGAGACCTGTGAGATCTGG 454
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QY 474 GTGAGACCGCGCTGCTGCCGTGGGAGAGAGAACTTGGCCAGGGGACACCTGTGAGATCTTT 533
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QY 455 AGTTGGTGCCAGTGGAGAGTGGCGTTGTGCGCTCGAGGGCCCTGTGGCCCGAGGCCAG 514
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QY 771 CAGGATATAGCCCTGGAGAGTGGCGTGATAGGAATTAATTTGAATGGAACTGTGATCTT 830
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QY 1011 GGCAAGGTGCTTTCTTCTG 1030

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Search completed: August 21, 2005, 17:08:12
 Job time : 453.996 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2005 CompuGen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 16:25:31 ; Search time 1560.28 Seconds
(without alignments)
11213.536 Million cell updates/sec

Title: US-09-820-095B-1
Perfect score: 2693
Sequence: 1 ttgctgactcatgtgccgc.....aaaaaaaaaaaaaaaaaaaaa 2693

Scoring table: IDENTITY NUC
Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues
Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Published Applications NA.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
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3	567.4	21.1	569	9	US-09-864-761-9190
4	377	14.0	577	9	US-09-864-761-9695
5	285.6	10.6	2299	21	US-10-895-225A-54
6	243.6	9.0	1978	17	US-10-172-118-786
7	243.6	9.0	1978	18	US-10-342-887-786

8	243.6	9.0	1978	20	US-10-370-715B-571	Sequence 571, Appl
9	239.2	8.9	1167	21	US-10-676-289-1	Sequence 1, Appli
10	239.2	8.9	1389	9	US-09-833-082-1	Sequence 831, App
11	239.2	8.9	1750	17	US-10-305-720-831	Sequence 20, Appl
12	237.6	8.8	1269	20	US-10-128-558-20	Sequence 18, Appl
13	237.2	8.8	1167	17	US-10-386-414-18	Sequence 16, Appl
14	237.2	8.8	2048	18	US-10-240-425-1468	Sequence 1468, Ap
15	237.2	8.8	2048	21	US-10-482-029-256	Sequence 256, App
16	237.2	8.8	2048	17	US-10-187-659A-4	Sequence 4, Appli
17	236.6	8.7	2633	9	US-09-969-347-225	Sequence 225, App
18	233.4	8.7	2633	21	US-10-843-641A-8354	Sequence 8354, Ap
19	233.4	8.7	2643	17	US-10-352-684A-53	Sequence 53, Appl
20	233.4	8.7	2643	18	US-10-641-643-897	Sequence 897, App
21	233.4	8.7	2643	19	US-10-283-975A-285	Sequence 285, App
22	233.4	8.7	1956	9	US-09-864-864-331	Sequence 331, App
23	226	8.4	1866	19	US-10-283-975A-239	Sequence 239, App
24	226	8.4	1831	17	US-10-452-879-3	Sequence 3, Appli
25	215.4	8.0	1380	15	US-10-345-680-12	Sequence 12, Appl
26	213.2	7.9	1389	15	US-10-345-680-10	Sequence 10, Appl
27	213.2	7.9	1639	11	US-09-764-875-307	Sequence 307, App
28	212.6	7.9	1616	18	US-10-336-472-53	Sequence 53, Appl
29	181.4	6.7	1583	18	US-10-336-472-51	Sequence 51, Appl
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31	163	6.1	159	9	US-09-864-761-25779	Sequence 25779, A
32	157.4	5.8	159	9	US-10-029-386-646	Sequence 646, App
33	156.4	5.8	647	13	US-10-027-632-158909	Sequence 158909,
34	156	5.8	647	17	US-10-027-632-158909	Sequence 158909,
35	156	5.8	151	16	US-10-029-386-14351	Sequence 14351, A
36	151	5.6	565	9	US-09-864-761-9732	Sequence 9732, Ap
37	148.4	5.5	185	9	US-09-864-761-26122	Sequence 26122, A
38	148	5.5	1926	16	US-10-133-013-149	Sequence 149, App
39	146.4	5.4	440	9	US-09-864-761-2179	Sequence 2179, Ap
40	144.6	5.4	576	9	US-09-864-761-9249	Sequence 9249, Ap
41	144.6	5.4	1422	17	US-10-051-874-41	Sequence 41, Appl
42	140.4	5.2	1893	22	US-10-491-545A-41	Sequence 41, Appl
43	135.2	5.0	961	18	US-10-641-643-370	Sequence 370, App
44	131.2	4.9	958	21	US-10-895-225A-38	Sequence 38, Appl
45	129.6	4.8				

ALIGNMENTS

RESULT 1
US-09-820-095-1
; Sequence 1, Application US/09820095
; Publication No. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CLO01202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 2693
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-1

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Gaps	0						
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Db 241 ACCTCAGGAGAGAACGTGTCTTCTTGTGTGACCAACTTCTTGTGACGCCAGCCCAAGT 300
Qy 301 TCAGGSCAGATGCCCAAGAGCACCCGTCGTCGCCCACTGGCTAACTGTGTGGGTGAGAGGA 360
Db 301 TCAGGSCAGATGCCCAAGAGCACCCGTCGTCGCCCACTGGCTAACTGTGTGGGTGAGAGGA 360
Qy 361 CTGCCCCGAGGAGGAGGAGGACACACAGACCAAGTGTAAACACAGGCCAGTGTGTGT 420
Db 361 CTGCCCCGAGGAGGAGGAGGAGGACACACAGACCAAGTGTAAACACAGGCCAGTGTGTGT 420
Qy 421 GTTCAATGTGACCCACAGACCTGTGAGATCTGGAGTTGGTGGTCCAGGTGAGGTGGCT 480
Db 421 GTTCAATGTGACCCACAGACCTGTGAGATCTGGAGTTGGTGGTGGTCCAGGTGAGGTGGCT 480
Qy 481 TGTGCCCTCAGGSCCCTGTGSCCCAGGCCAGAACTTCAACACTGTTCATCAAAACAC 540
Db 481 TGTGCCCTCAGGSCCCTGTGSCCCAGGCCAGAACTTCAACACTGTTCATCAAAACAC 540
Qy 541 AGTCACCTTCAGCAAGTCAACTTCTTAAGTCCAACTGCTGGAGACCTGGGACCCAC 600
Db 541 AGTCACCTTCAGCAAGTCAACTTCTTAAGTCCAACTGCTGGAGACCTGGGACCCAC 600
Qy 601 CTATTTTAAGCACTGCGCTATGAACCAAACTTTCAGCCCTACTGTCCGCTTCGCGAT 660
Db 601 CTATTTTAAGCACTGCGCTATGAACCAAACTTTCAGCCCTACTGTCCGCTTCGCGAT 660
Qy 661 TGGGACCTCGTGGCCAAAGCTGGAGGACCTTCGAGGACCTGGGCTGCTGGGTGGCTC 720
Db 661 TGGGACCTCGTGGCCAAAGCTGGAGGACCTTCGAGGACCTGGGCTGCTGGGTGGCTC 720
Qy 721 TGTAGGCATCAGAGTTCACTGGGATGTGACCTTGGACACCGGGGACTGTGGCTGTGGCC 780
Db 721 TGTAGGCATCAGAGTTCACTGGGATGTGACCTTGGACACCGGGGACTGTGGCTGTGGCC 780
Qy 781 TCATCTCTCTTCAGCTCAGAGAGAGCTACAACTTCAGACAGCCACTCACTGTGTG 840
Db 781 TCATCTCTCTTCAGCTCAGAGAGAGCTACAACTTCAGACAGCCACTCACTGTGTG 840
Qy 841 GGAGCAACCGGGTGTGGAGCCCGCACCTGTCTCAAGCTCTATGGAATCCGCTTCGACAT 900
Db 841 GGAGCAACCGGGTGTGGAGCCCGCACCTGTCTCAAGCTCTATGGAATCCGCTTCGACAT 900
Qy 901 CTTCTGTCACCGGGCAGGAGGAGTTGGGCTCATCCCAACCGGCGTCACTGGGAC 960
Db 901 CTTCTGTCACCGGGCAGGAGGAGTTGGGCTCATCCCAACCGGCGTCACTGGGAC 960
Qy 961 CGGGGAGCTTGGCTGGGCGTGTGACCTTTTCTGTGACCTGTACTGTGTGTGGA 1020
Db 961 CGGGGAGCTTGGCTGGGCGTGTGACCTTTTCTGTGACCTGTACTGTGTGTGGA 1020
Qy 1021 TAGAGAAGCCCAATTTCTACTGAGGACAAAGTATGAGGAGGCCAAGGCCGGAAGCAAC 1080
Db 1021 TAGAGAAGCCCAATTTCTACTGAGGACAAAGTATGAGGAGGCCAAGGCCGGAAGCAAC 1080
Qy 1081 CGCCAACTTGTGTGGAGGAGCTGGCCCTTGCATCCCAAGCCGACCTGGCCGAGTGCT 1140
Db 1081 CGCCAACTTGTGTGGAGGAGCTGGCCCTTGCATCCCAAGCCGACCTGGCCGAGTGCT 1140
Qy 1141 CAGACGAGCTCAGCACCTGACCCACCGGCCACTGCTGCTGGAGGTTCAGACACAGACCC 1200
Db 1141 CAGACGAGCTCAGCACCTGACCCACCGGCCACTGCTGCTGGAGGTTCAGACACAGACCC 1200

Qy 1201 AGGATGGCCCTGTTCAGAGTTCGACACCCCACTTGCACACCCCAATTCGGGAGCCTTAGCC 1260
Db 1201 AGGATGGCCCTGTTCAGAGTTCGACACCCCACTTGCACACCCCAATTCGGGAGCCTTAGCC 1260
Qy 1261 GTTCCCTCTCTGTTCAGAGTTCGGGGCTGGGAGCGGGCGGCCCTGCTGGGATCTCAA 1320
Db 1261 GTTCCCTCTCTGTTCAGAGTTCGGGGCTGGGAGCGGGCGGCCCTGCTGGGATCTCAA 1320
Qy 1321 GGATGAGGCCCCAGCATGGAGATTGGGGGTAGAAATTCACCCCTTGAACCCAGCAGACA 1380
Db 1321 GGATGAGGCCCCAGCATGGAGATTGGGGGTAGAAATTCACCCCTTGAACCCAGCAGACA 1380
Qy 1381 GTCCCTCCCTGACTCCCACTTGTGAGGTGTGCTCAGGAGCCATAGAAGTCGGCT 1440
Db 1381 GTCCCTCCCTGACTCCCACTTGTGAGGTGTGCTCAGGAGCCATAGAAGTCGGCT 1440
Qy 1441 GTGTTTTCAGAGCGGCGACAGAACCTGACCCGTTGGAGACTGGGAGAGCCAGCAGCACCT 1500
Db 1441 GTGTTTTCAGAGCGGCGACAGAACCTGACCCGTTGGAGACTGGGAGAGCCAGCAGCACCT 1500
Qy 1501 GTATTGACAGGGCTCCGACTGCAATGTGGCAGGGGCTCTGCTCGCTCTGGGCTGAGGTC 1560
Db 1501 GTATTGACAGGGCTCCGACTGCAATGTGGCAGGGGCTCTGCTCGCTCTGGGCTGAGGTC 1560
Qy 1561 TCTCTCCAGTGTCTGTCCCAAGTGTCTTAGCAGAGGTATGCTTACAGCTGTACGA 1620
Db 1561 TCTCTCCAGTGTCTGTCCCAAGTGTCTTAGCAGAGGTATGCTTACAGCTGTACGA 1620
Qy 1621 CAGACCTCTCTGCTGGGCTGGGCTCTGCTCCCACTGACCTGACCCCACTCATAGGT 1680
Db 1621 CAGACCTCTCTGCTGGGCTGGGCTCTGCTCCCACTGACCTGACCCCACTCATAGGT 1680
Qy 1681 AGAGACCCCACTCCCATCGGCTCTACATGGGGCTGTGACAGCTGGAGCCAAAAGGCAA 1740
Db 1681 AGAGACCCCACTCCCATCGGCTCTACATGGGGCTGTGACAGCTGGAGCCAAAAGGCAA 1740
Qy 1741 GGCAGAAAGAGAGTGTATGGGGAGGGGATGTTGTTTTCAGCTTCTCTGTGTGTGATGCC 1800
Db 1741 GGCAGAAAGAGAGTGTATGGGGAGGGGATGTTGTTTTCAGCTTCTCTGTGTGTGATGCC 1800
Qy 1801 CCAGAGAGTCTTAATCTAGGGAATGGGGTGGAGTAGGAGAGTATACCTCCCTATGCC 1860
Db 1801 CCAGAGAGTCTTAATCTAGGGAATGGGGTGGAGTAGGAGAGTATACCTCCCTATGCC 1860
Qy 1861 CCCAGCAAGGCGGAGCATGTGCTTGGGGCCCACTGCTTGTAGTTTATGAGGACCGGC 1920
Db 1861 CCCAGCAAGGCGGAGCATGTGCTTGGGGCCCACTGCTTGTAGTTTATGAGGACCGGC 1920
Qy 1921 TGTCTTCAGTGTAGCCCTTTTTCATGGAGGTCTGGGAGAGAGAGAGGGGGGCGAG 1980
Db 1921 TGTCTTCAGTGTAGCCCTTTTTCATGGAGGTCTGGGAGAGAGAGAGGGGGGCGAG 1980
Qy 1981 GGCTAAGTTGGTGTATCTTGGGCTTCTCAGGACCTTCTATATCCCTCCCTGTAACCC 2040
Db 1981 GGCTAAGTTGGTGTATCTTGGGCTTCTCAGGACCTTCTATATCCCTCCCTGTAACCC 2040
Qy 2041 CAGCCCAACCCCTTGGAAATCTTCTCAGGAGCTTCTGAGAGCCCTGGGGGTGGAGGCT 2100
Db 2041 CAGCCCAACCCCTTGGAAATCTTCTCAGGAGCTTCTGAGAGCCCTGGGGGTGGAGGCT 2100
Qy 2101 GTGGAGGCTGTACATCTGAAATTCATCTCAGTCCAGTTCATCTAGGAGCTGTCTGG 2160
Db 2101 GTGGAGGCTGTACATCTGAAATTCATCTCAGTCCAGTTCATCTAGGAGCTGTCTGG 2160
Qy 2161 GCAGCTGTCCAGGGAGGCCCTGGCTCTGATCCAGGCTGGATGGAGTGGCTGGAGGAA 2220
Db 2161 GCAGCTGTCCAGGGAGGCCCTGGCTCTGATCCAGGCTGGATGGAGTGGCTGGAGGAA 2220
Qy 2221 TGGTTCAAAACACACCGAGATCTCCCTCAGGCTGGCCAGGTTTTTTCAGCTGGAAT 2280
Db 2221 TGGTTCAAAACACACCGAGATCTCCCTCAGGCTGGCCAGGTTTTTTCAGCTGGAAT 2280


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QY 2281 CTCTCTTGTGCCAGGGGGGCGAGGGAATCTTAAGTGTCCACCCAGGAGGCAAGGG 2340
DB 2281 CTCTCTTGTGCCAGGGGGGCGAGGGAATCTTAAGTGTCCACCCAGGAGGCAAGGG 2340
QY 2341 GCTGCTTTCCACTGTGGGTACCTGTGTATCAGGGCAAGCTGTGGAGGCGCAGGGGTGGG 2400
DB 2341 GCTGCTTTCCACTGTGGGTACCTGTGTATCAGGGCAAGCTGTGTGGAGGCGCAGGGGTGGG 2400
QY 2401 CTGAGACTGGGCTGCACATCTAGAAATCACCTGCCACCTGGAGCCTCAGTAAATGCTCTGG 2460
DB 2401 CTGAGACTGGGCTGCACATCTAGAAATCACCTGCCACCTGGAGCCTCAGTAAATGCTCTGG 2460
QY 2461 GTCCCTGTGCTCTCAATCTCAGAGCCATGTCCATGGAGGTGGGCTCTGAAGGGCG 2520
DB 2461 GTCCCTGTGCTCTCAATCTCAGAGCCATGTCCATGGAGGTGGGCTCTGAAGGGCG 2520
QY 2521 AAGGTGGGAGAGCAGGGCCCTGAGGCTGGGTATCCAGGAGGGGCGACGTGCACCTGAT 2580
DB 2521 AAGGTGGGAGAGCAGGGCCCTGAGGCTGGGTATCCAGGAGGGGCGACGTGCACCTGAT 2580
QY 2581 TCTCTTGGGGCCAGAGGAAGCTGATGTCTATGGCTGGACAAAGTCAAGAGTAAAGGCCA 2640
DB 2581 TCTCTTGGGGCCAGAGGAAGCTGATGTCTATGGCTGGACAAAGTCAAGAGTAAAGGCCA 2640
QY 2641 GCAAGCCACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2693
DB 2641 GCAAGCCACCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA 2693

RESULT 2
US-09-820-095-3
; Sequence 3, Application US/09820095
; Publication No. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16449
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-3

Query Match 59.1%; Score 1592.6; DB 10; Length 16449;
Best Local Similarity 99.7%; Pred. No. 0;
Matches 1595; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

QY 1053 ATGAGGAGCCAGGCCCCGAAAGCAACGCCAACTCTGTGTGGAGGAGCTGGCCCTTGG 1112
DB 13246 ATCTGAGGCCAAGGCCCCGAAAGCAACGCCAACTCTGTGTGGAGGAGCTGGCCCTTGG 13305
QY 1113 CATCCCAAGCCGACCTGGCCGAGTGGCTCAGACGGAGCTCAGACCTGCACCCAGGCCA 1172
DB 13306 CATCCCAAGCCGACCTGGCCGAGTGGCTCAGACGGAGCTCAGACCTGCACCCAGGCCA 13365
QY 1173 CTGCTGCTGGAGTCAGACACACACAGATGGCCCTGTCCAAAGTCTTGACACCCACT 1232
DB 13366 CTGCTGCTGGAGTCAGACACACACAGATGGCCCTGTCCAAAGTCTTGACACCCACT 13425
QY 1233 TGCACACCCATTCGGGAGCTGTAGCCGTTCCCTGCTGTGTGAGAGTTGGGGCTGGGA 1292
DB 13426 TGCCAAACCCATTCGGGAGCTGTAGCCGTTCCCTGCTGTGTGAGAGTTGGGGCTGGGA 13485
QY 1293 AGGGGGGGCCCTGCTGTGGGATCTCAGGATAGAGCCCGCCAGCATGGAGATTGGGGGTA 1352
DB 13486 AGGGGGGGCCCTGCTGTGGGATCTCAGGATAGAGCCCGCCAGCATGGAGATTGGGGGTA 13545
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QY 1353 GAAATCCACCCCTGTGAACCCAGCAGACAGTCCCTCCCTCCCTGACTCCCACTTGTGTAGGGTG 1412
DB 13546 GAAATCCACCCCTGTGAACCCAGCAGACAGTCCCTCCCTCCCTGACTCCCACTTGTGTAGGGTG 13605
QY 1413 CTGCTCTCAGGGAGCCATAGAACTCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1472
DB 13606 CTGCTCTCAGGGAGCCATAGAACTCGGCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 13665
QY 1473 GGAGACTCGGAGAGCCAGCAGGCACTGTATTTGACAGGCTCCGACTGCATGTGTGGCAGGG 1532
DB 13666 GGAGACTCGGAGAGCCAGCAGGCACTGTATTTGACAGGCTCCGACTGCATGTGTGGCAGGG 13725
QY 1533 GCTCTGTGCTGTCTGTGGGCTCGAGGTCTCTCTCCAGTGTCTGTCTGTCTGTCTGTCTGTCTGT 1592
DB 13726 GCTCTGTGCTGTCTGTGGGCTCGAGGTCTCTCTCCAGTGTCTGTCTGTCTGTCTGTCTGTCTGT 13785
QY 1593 GCAGAGGTATGTCTTACCAGCTGTCTAGCAGACAGACCCCTCTGTCTGTCTGTCTGTCTGTCTGT 1652
DB 13786 GCAGAGGTATGTCTTACCAGCTGTCTAGCAGACAGACCCCTCTGTCTGTCTGTCTGTCTGTCTGT 13845
QY 1653 CTCCCCCATCTGCACCCCATCATAGGTAGAGACCCCACTCCCATCCGCTCTCATATGG 1712
DB 13846 CTCCCCCATCTGCACCCCATCATAGGTAGAGACCCCACTCCCATCCGCTCTCATATGG 13905
QY 1713 GGTGTGTGAGCTGGAGCCAAAAGGCAAGGCAAGAGAGTGTATGGGGAGGGGGATTT 1772
DB 13906 GGTGTGTGAGCTGGAGCCAAAAGGCAAGGTAAGAGAGAGTGTATGGGGAGGGGGATTT 13965
QY 1773 GTTTCAGCTTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1832
DB 13966 GTTTCAGCTTCTCTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 14025
QY 1833 AGTAGGCAGATAATCACCTCTCTATCCCGCAGGCAAGGCGGAGCATGTGTCTTGGGCC 1892
DB 14026 AGTAGGCAGATAATCACCTCTCTATCCCGCAGGCAAGGCGGAGCATGTGTCTTGGGCC 14085
QY 1893 CACACTGTCTTGTATTAAGAGCACGGCTGTCTTTCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 1952
DB 14086 CACACTGTCTTGTATTAAGAGCACGGCTGTCTTTCAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 14145
QY 1953 GTCTGGAGAGAGAGCAGAGGCGGCGAGGCTTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 2012
DB 14146 GTCTGGAGAGAGAGCAGAGGCGGCGAGGCTTAAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 14205
QY 2013 CCTTCTATATCCCTCTCTGGTAAACCCCGCAGCCCAACCCCTTGGAAATCTTCTCTCCAGGC 2072
DB 14206 CCTTCTATATCCCTCTCTGGTAAACCCCGCAGCCCAACCCCTTGGAAATCTTCTCTCCAGGC 14265
QY 2073 TTTCTGAGAGCCCTGGGGGTGGAGGCTGTGTGGAGGCTGTATCATCTGAAATTCATTTCTAG 2132
DB 14266 TTTCTGAGAGCCCTGGGGGTGGAGGCTGTGTGGAGGCTGTATCATCTGAAATTCATTTCTAG 14325
QY 2133 TCCAAAGTATACCTTAGGAAGCTGTCTGGCAGCTGTCTCAGGAGGCGCCCTGGCTCTGATC 2192
DB 14326 TCCAAAGTATACCTTAGGAAGCTGTCTGGCAGCTGTCTCAGGAGGCGCCCTGGCTCTGATC 14385
QY 2193 CCAGCTGTGATGAGTGGCTGGAAGATGTTTCCAAACCAACCAACCAACCAACCAACCAACCAACCA 2252
DB 14386 CCAGCTGTGATGAGTGGCTGGAAGATGTTTCCAAACCAACCAACCAACCAACCAACCAACCAACCA 14445
QY 2253 AGGCTGGCCAGAGCTTTTTCAGCTGTGAATTTCTCTTGTGTCCAGGCGGGGCGAGGAAATTT 2312
DB 14446 AGGCTGGCCAGAGCTTTTTCAGCTGTGAATTTCTCTTGTGTCCAGGCGGGGCGAGGAAATTT 14505
QY 2313 CTAAAGTGTCCACCCAGGAGGCAAGGGCTGCTTTCATCTGTGGGTATCTGGTGTATCAG 2372
DB 14506 CTAAAGTGTCCACCCAGGAGGCAAGGGCTGCTTTCATCTGTGGGTATCTGGTGTATCAG 14565
QY 2373 GGCAGACTGTGTGAGGCGCAGGGGTGGGCTGTAGACTGTGGCTGTGACATCTAGAAATTCACCTGC 2432
DB 14566 GGCAGACTGTGTGAGGCGCAGGGGTGGGCTGTAGACTGTGGCTGTGACATCTAGAAATTCACCTGC 14625
QY 2433 CACCTGGAGCCTCAGTAAAAATGCTGGGGTCCCTGTCTGTCTCTCAATCTCTCAGAGCCATG 2492
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/ PRIOR FILING DATE: 2000-05-26
/ PRIOR APPLICATION NUMBER: US 09/632,366
/ PRIOR FILING DATE: 2000-08-03
/ PRIOR APPLICATION NUMBER: GB 24263.6
/ PRIOR FILING DATE: 2000-10-04
/ PRIOR APPLICATION NUMBER: US 60/236,359
/ PRIOR FILING DATE: 2000-09-27
/ PRIOR APPLICATION NUMBER: PCT/US01/00666
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00667
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00664
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00669
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00665
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00668
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00663
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00662
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00661
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: PCT/US01/00670
/ PRIOR FILING DATE: 2001-01-30
/ PRIOR APPLICATION NUMBER: US 60/234,687
/ PRIOR FILING DATE: 2000-09-21
/ PRIOR APPLICATION NUMBER: US 09/608,408
/ PRIOR FILING DATE: 2000-06-30
/ PRIOR APPLICATION NUMBER: US 09/774,203
/ PRIOR FILING DATE: 2001-01-29
/ NUMBER OF SEQ ID NOS: 49117
/ SOFTWARE: Anomax Sequence Listing Engine vers. 1.1
/ SEQ ID NO 9695
/ LENGTH: 577
/ TYPE: DNA
/ ORGANISM: Homo sapiens
/ FEATURE:
/ OTHER INFORMATION: MAP TO AC002472.3
/ OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 15
/ OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 47
/ OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 17
/ OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 2.2
/ OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 59
/ OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.1
/ OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 25
/ OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 22
US-09-864-761-9695

Query Match 14.0%; Score 377; DB 9; Length 577;
Best Local Similarity 100.0%; Pred. No. 2.1e-94;
Matches 377; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 2275 GGAATTCCTCTTGGTCCAGGGGGGCGAGGAAATCTTAAGTGTCCACCCCGAGGG 2334
DB 577 GGAATTCCTCTTGGTCCAGGGGGGCGAGGAAATCTTAAGTGTCCACCCCGAGGG 518
QY 2335 CAAGGGGCTGCTTTCACCTGTGGGTACCTGGTGAATCAGGGCAAGCTGTGGAGGGCCAGGG 2394
DB 517 CAAGGGGCTGCTTTCACCTGTGGGTACCTGGTGAATCAGGGCAAGCTGTGGAGGGCCAGGG 458
QY 2395 GTGGGGCTGAGACTGGGCTGACATCTAGAAATCACCTGCCACCTGAGGCTCAGTAAATG 2454
DB 457 GTGGGGCTGAGACTGGGCTGACATCTAGAAATCACCTGCCACCTGAGGCTCAGTAAATG 398
QY 2455 CTGGGGTCCCTGCTCCCTCTCAATCTCCAGAGCCATGTCCATGGAGGTGGGCTCTGA 2514
DB 397 CTGGGGTCCCTGCTCCCTCTCAATCTCCAGAGCCATGTCCATGGAGGTGGGCTCTGA 338
QY 2515 AGGGGGAAGGTGGGAGAGCAGGGCCCTTGAGGCTGGGTATCCAAAGGAGGGGCACGTGCA 2574
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DB 337 AGGGCGAAGGTGGGAGAGCAGGGCCCTGAGGCTGGGTATCCAAAGGAGGGGCACGTGCA 278
QY 2575 CCGTGAATTCCTCTTGGGGCCCGAGGAGAGCTGATGTGTCATGGCTGGACAAAGTCCAGGAGTA 2634
DB 277 CCGTGAATTCCTCTTGGGGCCCGAGGAGAGCTGATGTGTCATGGCTGGACAAAGTCCAGGAGTA 218
QY 2635 AAGCCAGCAAGCCACC 2651
DB 217 AAGCCAGCAAGCCACC 201

RESULT 5
US-10-895-225A-54
; Sequence 54, Application US/10895225A
; Publication No. US20050048587A1
; GENERAL INFORMATION:
; APPLICANT: Rao, Patricia
; APPLICANT: Snyder, Jessica
; APPLICANT: Bagley, Andria
; TITLE OF INVENTION: METHODS FOR IDENTIFYING TOLERANCE
; TITLE OF INVENTION: MODULATORY COMPOUNDS AND USES THEREFOR
; FILE REFERENCE: TLN-025
; CURRENT APPLICATION NUMBER: US/10/895,225A
; CURRENT FILING DATE: 2004-07-19
; PRIOR APPLICATION NUMBER: 60/488,502
; PRIOR FILING DATE: 2003-07-17
; NUMBER OF SEQ ID NOS: 161
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 54
; LENGTH: 2299
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-895-225A-54

Query Match 10.6%; Score 285.6; DB 21; Length 2299;
Best Local Similarity 57.9%; Pred. No. 1.1e-68;
Matches 582; Conservative 0; Mismatches 394; Indels 30; Gaps 3;

QY 98 TGGGCTCTCTCGCCCAAAAAGGCTACCGAGGCGGGACCTGGAAACCCAGTTTTCATC 157
DB 212 TGGGCTCTCTGATTAAGAAGATTATCAGGACATTGACACTTCTCGCAGAGTGTGTG 271
QY 158 ATCCACAAACTCAAGGGGTTTCCGTCACTCAGATCAAGGAGCTTGGAAACCGGCTGTGG 217
DB 272 GTCACCAAGTCAAGGGGTGCGCTTATACCAACACCAAGATCTTTGGGGAACGACTCTGG 331
QY 218 GATGCGCGGACTTCGTGAAGCCACTCAGGGAGAGAGTGTCTTCTTGTGTGACCAAC 277
DB 332 GATGTGGCAGACTTTGTCTATTCCTGTCAGGGGGAGAACGTTTCTTGTGTGTCACCAAC 391
QY 278 TTCTTGTGCGCCAGCCCAAGTTTCAGGGCGAGATGCCAGAGCACCCCGTCCGTCACATG 337
DB 392 CTGATCGTGACTCTTAACCGGGCGAGGCAATCTGTGCTGAGCGGTGAAGGCAATCCGGAT 451
QY 338 GCTAACTGTGTGGTCCAGGAGACTGCCCCCGAAGGGGAGGAGGAGGACACACAGCCACGCT 397
DB 452 GCGAGTGTTCAGAGGACACCGACTGTCACTGCTGGGAGTCTGTGTAGCGGACACGGA 511
QY 398 GTAAAAACAGGCGCAGTGTGT---GGTGTTCATATGGGACCCACAGGACCTGTGAGATCTGG 454
DB 512 CTGAAAACTGTGTGTGTCTACGGGTGGGGAACCTACCCGGGGGACCTGTGAGATCTTT 571
QY 455 AGTTGGTCCCGAGTGGAGTGGGCTTGTGGCTCGAGGCCCCCTGCTGCCCCAGGCCAG 514
DB 572 GCTTGGTCCCGAGTGGAGCAAAAGTCCATGCCAACGGATCCCTCTCTGAAGGACGAGAA 631
QY 515 AACTTCACATGTTTCAATAAAACACAGTCACTTTCAGCAAGTTTCAACTTCTCTAAGTCC 574
DB 632 GCGTTCACATTTTCATTAAGAACTTCATTTCGCTTCCCAAGTTCATCTTCTCAAGCC 691
QY 575 AATGCTTGGAGACTGGGACCCCACTATTTTAAAGCACTGCCGTATGAAACCAAAATTC 634
DB 692 AATGTGCTAGAAACAGGCAACAAACATTTTCTGTAAGAAACCTGTCACTTCACTGCTCCA---CC 748
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QY 695 GAGGACCTGGCTGCTGGTGGCTCTGTAGGATCAGAGTTCACTGGGATTGTGACCTG 754
DB 772 CAGGATATAGCCCTCGAGGTGGCGTGTAGGAAATTAATTTGAATGGAACTGTGATCTT 831
QY 755 GACACCGGGACTCTGGCTGTGGCTCACTACTCTCCAGTCCAGTGGAGGAGA----- 809
DB 832 GATAAAGCTGCCCTCTGAGTGGCCACCCTCACTATTCTTTAGCGGTCTGGACAATAAATT 891
QY 810 -----GTTACAACTTCAGGACAGCCACTCACTGTGGGAGCAACCG 850
DB 892 TCAAAGTCTCTCTCCCGGTAGCAACTTCAGATTGGCCAGATATTACCGAGACGCGC 951
QY 851 GGTGTGGAGCCCGGACCCCTGTCAAGCTCTATGGAAATCCGCTCGACATCTCTGTCAAC 910
DB 952 GGGGTGGAGTTCCGCAACCCCTGATGAAAGCTTACGGGATCCGCTTTGACGTGTGGTGAAC 1011
QY 911 GGCGAGGAGGAAAGTTCCG 930
DB 1012 GGCAAGGTGCTTTCTTCG 1031

RESULT 9

US-10-676-289-1
; Sequence 1, Application US/10676289
; Publication No. US20050074819A1
; GENERAL INFORMATION:
; APPLICANT: TSUDA, MAKOTO
; APPLICANT: KOIZUMI, SHINICHI
; APPLICANT: KOHSAKA, SHINICHI
; APPLICANT: KOHSAKA, KAZUHIRO INOUE
; TITLE OF INVENTION: A SCREENING METHOD OF DRUG FOR TREATMENT OF NEUROPATHIC PAIN
; FILE REFERENCE: U 014843-4
; CURRENT APPLICATION NUMBER: US/10/676,289
; CURRENT FILING DATE: 2003-10-01
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 1
; LENGTH: 1167
; TYPE: DNA
; ORGANISM: HOMO SAPIENS
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1164)
US-10-676-289-1

Query Match 8.9%; Score 239.2; DB 21; Length 1167;
Best Local Similarity 56.3%; Pred. No. 7.4e-56;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;
QY 152 TCATCATCACCAACTCAAAGGGTTTCGGTCACTCAGATCAAGAGCTTGGAAACCGG 211
DB 187 TCGGTTACGACCAAGGTCAAGGGCGTGTGACCAACACTTTAAACTTGGATTCCGG 246
QY 212 CTGTGGGATGGCCACTTCGTGAGCCACTTCAGGAGAGAGCTGTCTTCTTGGTG 271
DB 247 ATCTGGGATGGCGGATTATGTGATPACCACTCAGAGGAAACTCCCTCTCTGTCATG 306
QY 272 ACCAACTTCCTGTGACGGCCAGCCAAAGTTTCAGGGCAGATGCCAGAGCACCCGTCGTC 331
DB 307 ACCAAGTGTATCTCACCATGAACACAGACAGGGGCTGTGCCCGAGATTC--CAGAT 363
QY 332 CCACTGGCTAACTGTGGGTGACGAGGACTGCCCGAAGGGAGGGAGGACACACAGC 391
DB 364 GCGACCACTGTGTGTAATCAGATGCCAGTGTACTGCGGGCTCTGCCGGCACCCACAGC 423
QY 392 CAGGTTGTAACAGCGCAGTGTGTGTGTTCAATGGGACCCACAGGACCTGTGAGATC 451
DB 424 AAGGAGTCTCAACAGCGAGGTGCGTGTGTTTCAACGGGTCCGTCAAGACGTGTGAGGTG 483
QY 452 TGGAGTTGGTGGCCAGTGGAGAGTGGC---GTTGTGCCCTCGAGGGCCCTGTGGGCCAG 508
DB 484 GCGGCCTGTGTCGGGTGGAGGATGACACACAGTGCACCAACTGCTTTTAAAGGCT 543

QY 509 GCCGAGAACTTCACACTGTCTTCAATCAAAAACACAGTCACTTTCAGCAAGTTCAACTTCTCT 568
DB 544 GCAGAAAACCTTCACTCTTTTGGTTAAGAACACATCTGGTATCCCAAAATTTAAATTTACG 603
QY 569 AAGTCCAATGCTTGGAGACCTGGGACCCCACTTATTTTAAGCACTGCGGCTATCAACCA 628
DB 604 AAGAGGAATATCTTCCCAACATCAACCACTTACCTCAAGTCTGATGATTTATGATGCT 663
QY 629 CAATTCAGCCCTACTGTCCGTGTTCGCAATTTGGGACCTCGTGGCCCAAGCTCGAGGG 688
DB 664 AAAACAGATCCCTCTGCCCCATATTCGTCTTGGCAAAATAGTGGAGAACGACGACAC 723
QY 689 ACCTTCGAGGACCTGGCGTGTGGTGGCTCTGTAGGCATCAGAGTTTCACTGGGATGT 748
DB 724 AGTTTCCAGGACATGGCCGTGGAGGGAGGCATCATGGGCATCCAGGTCAACTGGGACTGC 783
QY 749 GACCTGGACACCGGGGACTCTGGCTGTGGCTCACTACTCTTCCAGTGCAGGAGA-- 806
DB 784 AACCTGGACAGCGCCCTCTCTGCTTGGCCAGGTACTCTTCCGCGGCTCGATACA 843
QY 807 -----AGAGCTACAACTTCAGGACAGCCACTCACTGCTGGTG 841
DB 844 CGGGACGTTGAGCAACAAGTATCTCTGGCTACAATTTCAAGTTTGCACAGTACTACAGA 903
QY 842 GAGCAACCGGTGTGGAGCCCGCACCTGTCTCAAGCTCTATGGAAATCGGCTTCGACATC 901
DB 904 GACCTGGTGGCAACGAGCAGCGCATCATCAAGGCTTATGGCATCCGCTTCGACATC 963
QY 902 CTCGTCAACCGGCGAGGAGGAAAGTTCCGGCTCATCCCGCGGCGTCACTGCGGACCC 961
DB 964 ATTGTTTGGAGGCGAGGAAATTTGACATCATCCCACTATGATCAACATCGGCTCT 1023
QY 962 GGGGACGCTTGGTGGCGGTGTCACTTTTGTGTGACCTGCTACTCTGTATGTGGAT 1021
DB 1024 GGCCTGGCACTGTAGGCATGGCGACCTGTGTGTGACATCATAGTCTCTACTGTCATG 1083
QY 1022 AGAGAAGCCCATTTCTACTTGGAGGACAAGTATGAGGAGG 1061
DB 1084 AAGAAAAGACTCTACTATATCGGGAGAGAAATATAAATATG 1123

RESULT 10

US-09-833-082-1
; Sequence 1, Application US/09833082
; Patent No. US20020151480A1
; GENERAL INFORMATION:
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE USING 10218
; FILE REFERENCE: MNI-227
; CURRENT APPLICATION NUMBER: US/09/833,082
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 1389
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-833-082-1

Query Match 8.9%; Score 239.2; DB 9; Length 1389;
Best Local Similarity 56.3%; Pred. No. 8e-56;
Matches 529; Conservative 0; Mismatches 378; Indels 33; Gaps 3;
QY 152 TCATCATCACCAACTCAAAGGGTTTCGGTCACTCAGATCAAGAGCTTGGAAACCGG 211
DB 214 TCCGTTACGACCAAGGTCAAGGGCTGTGTGACCAACACTTCTAAACTTGGATTCCGG 273
QY 212 CTGTGGGATGGCCGACTTGTGAAGCCACTCAGGAGAGAACGTTCTTCTTGGTG 271
DB 274 ATCTGGGATGGCGGATTATGTGATACAGCTCAGGAGGAAACTCCCTCTCTTCGTCATG 333


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Db 1111 AAAAAAGACTTACTATCGGGAGAGAAATATAATATG 1150

RESULT 12
US-10-128-558-20
; Sequence 20, Application US/10128558
; Publication No. US20040219521A1
; GENERAL INFORMATION:
; APPLICANT: Tang, Y. Tom
; APPLICANT: Wang, Zhiwei
; APPLICANT: Weng, Gezhi
; APPLICANT: Boyle, Bryan J
; APPLICANT: Dmanac, Redoje T
; TITLE OF INVENTION: Novel Nucleic Acids and
; FILE REFERENCE: Polypeptides
; CURRENT APPLICATION NUMBER: US/10/128,558
; PRIOR FILING DATE: 2002-04-22
; PRIOR APPLICATION NUMBER: US 60/339,453
; PRIOR FILING DATE: 2001-12-11
; PRIOR APPLICATION NUMBER: US 09/488,725
; PRIOR FILING DATE: 2000-01-21
; PRIOR APPLICATION NUMBER: US 09/552,317
; PRIOR FILING DATE: 2000-04-25
; PRIOR APPLICATION NUMBER: PCT/US00/35017
; PRIOR FILING DATE: 2000-12-22
; PRIOR APPLICATION NUMBER: US 09/491,404
; PRIOR FILING DATE: 2000-01-25
; PRIOR APPLICATION NUMBER: PCT/US01/02623
; PRIOR FILING DATE: 2001-01-25
; PRIOR APPLICATION NUMBER: US 09/496,914
; PRIOR FILING DATE: 2000-02-03
; PRIOR APPLICATION NUMBER: US 09/560,875
; PRIOR FILING DATE: 2000-04-27
; PRIOR APPLICATION NUMBER: PCT/US01/03800
; PRIOR FILING DATE: 2001-02-05
; PRIOR APPLICATION NUMBER: US 09/515,126
; PRIOR FILING DATE: 2000-02-28
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 412
; SOFTWARE: pt_FL_genes Version 6.0
; SEQ ID NO 20
; LENGTH: 1269
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; LOCATION: (1)..(1269)
US-10-128-558-20

Query Match 8.8%; Score 237.6; DB 20; Length 1269;
Best Local Similarity 56.2%; Pred. No. 2.1e-55;
Matches 528; Conservative 0; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCATCATCACCBAACCTCAAGGGGTTTCCTCCTCAGTCAATCAAGAGCTTGGAAACCGG 211
Db 187 TCGTTACCAACCAAGTCAAGGCGGTGTGACCAACACTTCTTAAACTTGGATTCCCG 246
QY 212 CTGTGGGATGTGGCCGACTTCGTGAAGCCACCTCAGGGAGAGAACGTGTCTTCTTGGTG 271
Db 247 AACTCGGATGTGGCGATTATGTGATACCACTCAGGAGAAACTCCCTCTCTGTGTCATG 306
QY 272 ACCAATCTCTGTGAGCCAGCCCAAGTTCAAGGCGAGATGCCAGAGACCCCGTCCGTC 331
Db 307 ACCAAGCTATCTCACCATGAACCAACAGACAGAGGCGCTGTGCCCGAGATTC--CAGAT 363
QY 332 CCACTGGCTAACTGTGGGTCCAGCAGAGACTGCCCGAAGGGAGGAGGACACACAGC 391
Db 364 GCGACCACTGTGTGTAATCAGATGCCAGTCTACTGTCCGGCTCTGCCGGCACCCACAGC 423
QY 392 CACGGTGTAAACAGCGCAGTGTGTGGTGTTCATATGGGACCCACAGGACCTGTGAGATC 451
Db 424 AACGGAGTCTCAACAGCAGGTGCGTAGCTTTCAACGGGTCTGTCAAGACGTGTGAGGTG 483
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QY 452 TGGAGTGTGTCGCCAGTGGAGAGTGGC---GTTGTGGCCCTCGAGGGCCCTGCTGGCCCCAG 508
Db 484 GCGGCTGTGTGTCGCCGTGGAGGATGACACACACGTCGCCACACCTGCTGCTTTTAAAGGCT 543
QY 509 GCCCAGAACTTCACACTGTTCATCAAAAACACAGTCACCTTCAGCAAGTTCAACTTCTCT 568
Db 544 GCAGAAAACCTTCACCTCTTTTGGTTAAGAACAAATCTGGTATCCCAAAATTTAAATTCAGC 603
QY 569 AAGTCCAATGCTTGGAGACCTGGGACCCCACTTATTTTAAGCACTGCGGCTTATGAACCA 628
Db 604 AAGAGGAATATCTTCCCAACATCACCACTACTTCACTCAAGTCGTGCACTTTATGATGCT 663
QY 629 CAAATTCAGCCCTACTGTGCCGTGTTCGCAATGGGGACCTCGTGGCCAAAGCTGGAGGG 688
Db 664 AAAACAGATCCCTTCTGCCCATATTCGTCCTTGGCAAAATAGTGGAGAACGACAGACAC 723
QY 689 ACCTTCGAGGACCTGCGGTGTGCTGGGTGGCTCTGTAGGCATCAGAGTTTCACTGGGATGCT 748
Db 724 AGTTTCCAGGACATGGCCGTGGAGGGAGGCATCATGGGCATCCAGGTCAACTGGGACTGC 783
QY 749 GACCTGGACACCGGGGACTCTGGCTGTGGCCCTCACTACTCTCTCCAGCTGCAGGAGA-- 806
Db 784 RACCTGGACAGAGCCGCTCCCTCTGCTTGGCCAGGTACTCTCTCGCGCCTCGATACA 843
QY 807 -----AGAGCTACAACTTCAGGACAGCCACTCACTGCTGGTGG 841
Db 844 CGGGACGTTGAGCACAAAGTATCTCTGGCTACAAATTTGAGTTTGCACAGTACTACAGA 903
QY 842 GAGCAACCGGGTGTGGAGCCCGCACCTGCTCAAGCTCTATGGAATCCGTTCCGACATC 901
Db 904 GACCTGGCTTGGCAACGAGCAGCGCAGCTCATCAAGGCTATGCGCATCCGCTTCGACATC 963
QY 902 CTCTGCACCGCGCAGCAGGAAAGTTCCGGCTCATCCCCACGCGCTCACACTGGGCGACC 961
Db 964 ATTGTGTTTGGGAAGCGAGGAAATTTGACATCATCCCCCATCATGATCAACATCGGCTCT 1023
QY 962 GGGGAGCTGTGGTGGGCGTGTCACTTTTCTGTGACCTGCTACTGCTGTATGTGATG 1021
Db 1024 GCGCTGGCACTGCTAGGACATGGCGACCGTGTGTGACATCATATAGTCTCTTACTGCA 1083
QY 1022 AGAGAAAGCCATTTCTACTTGGAGGACAAAGTATGAGGAGG 1061
Db 1084 AAGAAAAGACTTACTATCGGGAGAGAAATATAATATG 1123

RESULT 13
US-10-386-414-18
; Sequence 18, Application US/10386414
; Publication No. US20040006016A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Robison, Keith E.
; APPLICANT: White, David
; APPLICANT: Williamson, Mark W.
; APPLICANT: Cook, William James
; APPLICANT: Meyers, Rachel E.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: NOVEL 27875, 22025, 27420, 17906, 16319,
; FILE REFERENCE: 55092 AND 10218 MOLECULES AND USES THEREFOR
; CURRENT APPLICATION NUMBER: US/10/386,414
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: 09/426,282
; PRIOR FILING DATE: 1999-10-25
; PRIOR APPLICATION NUMBER: 09/668,266
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/330,970
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: 09/724,599
; PRIOR FILING DATE: 2000-11-28
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; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 1167
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-386-414-18

Query Match      8.8%; Score 237.2; DB 17; Length 1167;
Best Local Similarity 56.1%; Pred. No. 2.7e-55;
Matches 527; Conservative 1; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCATCATCACCAAACTCAAGGGGTTTCGGTCACTCAGATCAAGAGCTTGGAAACCGG 211
DB 187 TCGGTTACGACCAAGGTCAAGGGCGTGGCTGTGACCAACACTTCTAAACTTGGATTCCGG 246
QY 212 CTGTGGGATGTGCCCACTTCGTGAAGCCACTCAGGAGAGAGAGCTGTCTTCTTGGTG 271
DB 247 ATCTGGGATGTGGCGGATATGTGATACCAAGCTCAGGAGGAAACTCCCTCTCTCGTCATG 306
QY 272 ACCAACTTCTCTGTGAGCCAGCCCAAGTTTCAGGCGAGATGCCAGAGCACCCTCGTC 331
DB 307 ACCAACTGATCTCTACCATGATGACAGACAGAGGCGCTGTGCCCGAGATTC---CAGAT 363
QY 332 CCACCTGGCTAACTGTCTGGGTTCGACGAGGAGTCCGCCGAAGGGAGGAGGACACACAGC 391
DB 364 GCGACCACTGTGTGTAATACAGATGCCAGTGTACTGCGGGCTCTGCGGCGACCCACAGC 423
QY 392 CAGCGTGTAAACAGCGCGAGTGTGGTGTTCATATGGGACCCACAGGACCTGTGAGATC 451
DB 424 AACGGAGTCTCAACAGGAGGTGCGTAGCTTTCAACGGGTCTGTCAAGAGCGTGTGARGTG 483
QY 452 TGGAGTGTGGTCCCGTGGAGAGTGC---GTTGTGCTCTCGAGGCGCCCTGTGCGCCAG 508
DB 484 GCGGCTGTGGTCCCGTGGAGGATGACACAGCTGCCAACAACCTGCTTTTTTAAAGGT 543
QY 509 GCCCAGAACTTCACTGTTCATCAAAACACAGTCACTTCAAGCAAGTTCAACTTCTCT 568
DB 544 GCAGAAACTTCACTCTTTTGGTTAAGAACACATCTGTTATCCCAAAATTAATTTTACG 603
QY 569 AGTCCAACTGCTTGGAGACCTGGGACCCCACTATTTTAAGCACTGCGCGTATGAACA 628
DB 604 AAGAGGAATATCTCTCCCAACATCACTTACTTCAAGTCTGTCATTTATGATGT 663
QY 629 CAATTCAAGCCCTACTGTCCCGTGTTCGATTTGGGACCTGTGCGCAAGCTGGAGG 688
DB 664 AAACAGATCCCTTCTGCCCCCATATTCGGTCTTGGCAAAATATGTGGAAACGAGGACAC 723
QY 689 ACCTTCAGGACCTGCGGTGTGCTGGTGGCTCTGTAGGCATCAGAGTTCACCTGGGATGT 748
DB 724 AGTTTCAGGACATGCGCGTGGAGGAGGACATCGGCATCCAGTCACTGGGACTGC 783
QY 749 GACTCGGACCGGGGACTCTGGCTGTGCGCTCACTATCTCTTCCAGTGTGAGGAGA-- 806
DB 784 AACCTGGACAGAGCCGCTCTCTCTGCTGCGCAGGTACTCTCTTCCGCGCTCGATACA 843
QY 807 -----AGAGTCAACTTCAGGACAGCCACTCACTGGTG 841
DB 844 CGGAGCGTTGAGCACAACGTATCTCTCTGCTACAATTTTCAAGGTTGCGCAAGTACAGA 903
QY 842 GAGCAACCGGGTGTGAGGCGCGCACCTGCTCAAGCTCTATGGAATCCGCTTCGACATC 901

; RESULT 14
US-10-386-414-16
; Sequence 16, Application US/10386414
; Publication No. US20040006016A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Robison, Keith E.
; APPLICANT: White, David
; APPLICANT: Williamson, Mark W.
; APPLICANT: Cook, William James
; APPLICANT: Meyers, Rachel E.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: NOVEL 27875, 22025, 27420, 17906, 16319,
; FILE REFERENCE: MP103-0210WNIM
; CURRENT APPLICATION NUMBER: US/10/386,414
; PRIOR FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: 09/426,282
; PRIOR FILING DATE: 1999-10-25
; PRIOR APPLICATION NUMBER: 09/668,266
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/330,970
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: 09/724,599
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 2048
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-386-414-16

Query Match      8.8%; Score 237.2; DB 17; Length 2048;
Best Local Similarity 56.1%; Pred. No. 3.3e-55;
Matches 527; Conservative 1; Mismatches 379; Indels 33; Gaps 3;

QY 152 TCATCATCACCAAACTCAAGGGGTTTCGGTCACTCAGATCAAGAGCTTGGAAACCGG 211
DB 496 TCGGTTACGACCAAGGTCAAGGGCGTGGCTGTGACCAACACTTCTTAACTTGGATCCCG 555
QY 212 CTGTGGGATGTGGCGGACTTCGTGAAGCCACTCAGGAGAGAGAGCTGTCTTCTTGGTG 271
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Db      1273  ATTGTTGGGAAGGCGGGAATTGACATCATCCCCACTATGATCAACATCGGCTCT 1332
Qy      962  GGGGCAAGCTTGGCTGGGCGTGGTCACCTTTTCTGTGACCTGCTACTGTGTATGATGGAT 1021
Db      1333  GGCTGGCACTGCTAGGCATGGGACCGTGTGTGTGACATCATAGTCTCTTACTGCATG 1392
Qy      1022  AGAGAAGCCCAATTCTACTGGAGGACAAAGTATGAGGAGG 1061
Db      1393  AAGAAAAGACTCTACTATCGGGAGAGAAATAAATATG 1432
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Job time : 1567.28 secs

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GenCore version 5.1.1.6
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OM protein - protein search, using sw model

Run on: August 19, 2005, 22:42:49 ; Search time 42 Seconds
(without alignments)
719.830 Million cell updates/sec

Title: US-09-820-095B-2
Perfect score: 2226
Sequence: 1 MGSPGATTGWLIDYKTEK.....TPGWPCSDTHLPTHSGL 405

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 513545 seqs, 74649064 residues

Total number of hits satisfying chosen parameters: 513545

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA:*
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2: /cgn2_6/ptodata/1/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/1/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/1/iaa/6B_COMB.pep.*
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6: /cgn2_6/ptodata/1/iaa/backfile1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB ID	Description
1	2203	99.0	431	3	US-09-381-681-3
2	2203	99.0	441	3	US-09-191-136-31
3	1554	69.8	379	3	US-09-191-136-32
4	822	36.9	422	4	US-09-949-016-6238
5	816	36.7	388	2	US-08-742-621-1
6	816	36.7	397	4	US-09-949-016-9419
7	813	36.5	388	3	US-09-191-608-22
8	794	35.7	388	2	US-08-750-134A-7
9	794	35.7	388	3	US-09-363-745-7
10	793	35.6	388	3	US-09-191-608-23
11	744	33.4	399	2	US-08-742-621-3
12	744	33.4	399	2	US-08-750-134A-11
13	744	33.4	399	3	US-09-363-745-11
14	744	33.4	399	4	US-09-949-016-6236
15	744	33.4	453	4	US-09-949-016-10007
16	739	33.2	399	2	US-08-742-621-4
17	739	33.2	399	2	US-08-750-134A-5
18	739	33.2	399	3	US-09-363-745-5
19	720	32.3	472	2	US-08-742-621-5
20	720	32.3	472	3	US-08-842-079-15
21	720	32.3	472	4	US-09-638-857-15
22	709	31.9	471	3	US-09-191-608-17
23	694	31.2	404	3	US-09-191-608-18
24	693	31.1	497	3	US-09-191-608-20
25	679.5	30.5	397	3	US-08-750-134A-9
26	679.5	30.5	397	3	US-09-363-745-9
27	679.5	30.5	397	3	US-09-191-136-17

28	673.5	30.3	397	3	US-09-191-136-16	Sequence 16, Appl
29	673.5	30.3	397	4	US-09-949-016-6237	Sequence 6237, Ap
30	631	28.3	447	3	US-09-191-608-19	Sequence 19, Appl
31	608.5	27.3	595	3	US-08-842-079-18	Sequence 18, Appl
32	608.5	27.3	595	3	US-08-842-079-20	Sequence 20, Appl
33	608.5	27.3	595	4	US-09-638-857-18	Sequence 18, Appl
34	608.5	27.3	595	4	US-09-638-857-20	Sequence 20, Appl
35	606.5	27.2	280	4	US-09-949-016-9249	Sequence 9249, Ap
36	606.5	27.2	280	4	US-09-949-016-9250	Sequence 9250, Ap
37	602.5	27.1	595	3	US-08-842-079-6	Sequence 6, Appl
38	602.5	27.1	595	3	US-08-842-079-17	Sequence 17, Appl
39	602.5	27.1	595	4	US-09-638-857-6	Sequence 6, Appl
40	602.5	27.1	595	4	US-09-638-857-17	Sequence 17, Appl
41	599	26.9	433	4	US-09-949-016-10009	Sequence 10009, A
42	528.5	23.7	256	4	US-09-949-016-7576	Sequence 7576, Ap
43	528.5	23.7	256	4	US-09-949-016-7577	Sequence 7577, Ap
44	515.5	23.2	289	4	US-09-949-016-10585	Sequence 10585, A
45	349	15.7	211	1	US-07-915-934-4	Sequence 4, Appl

ALIGNMENTS

RESULT 1
US-09-381-681-3
; Sequence 3, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044
; EARLIER FILING DATE: 1997-03-26
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Human
US-09-381-681-3

Query Match	99.0%	Score 2203	DB 3	Length 431
Best Local Similarity	94.0%	Pred. No. 2.4e-235	Mismatches 0	Indels 26
Matches	405	Conservative	0	Gaps 1
QY	1	MGSPGATTGWLIDYKTEK-----WALLAKGYQERDLE	34	
Db	1	MGSPGATTGWLIDYKTEKYNRWVGCALQRLQFGIVVVVGVWALLAKGYQERDLE	60	
QY	35	POFSITKLKGVSVTQIKELGNRLNDVADFKVPPQGENVFLVTPPAOVQGRCPH	94	
Db	61	POFSITKLKGVSVTQIKELGNRLNDVADFKVPPQGENVFLVTPPAOVQGRCPH	120	
QY	95	PSVPLANCWDBDCPEGGTSHGKTCQCVFNGTHTCEIWSKCPVSGVPSRPLL	154	
Db	121	PSVPLANCWDBDCPEGGTSHGKTCQCVFNGTHTCEIWSKCPVSGVPSRPLL	180	
QY	155	AAQANFTLPIKNTVTFKFNFSKNALETWDTPTFKHCRYBQFSPYCPVFRIGDLVAKA	214	
Db	181	AAQANFTLPIKNTVTFKFNFSKNALETWDTPTFKHCRYBQFSPYCPVFRIGDLVAKA	240	
QY	215	GTFPEDLALLGSGVIRVHWCDDLDTGSGCWHPSYFQLEKSYNFRTHATHWQGVBA	274	
Db	241	GTFPEDLALLGSGVIRVHWCDDLDTGSGCWHPSYFQLEKSYNFRTHATHWQGVBA	300	
QY	275	RTLKLYGIRFDILVTGQAGKGLIPTATVLTGTAWLGVVTFCCDLLLYVDREAHFYW	334	
Db	301	RTLKLYGIRFDILVTGQAGKGLIPTATVLTGTAWLGVVTFCCDLLLYVDREAHFYW	360	
QY	335	RTKBEAKAPKATANSVMRELALASQARLAECLERRSSAPAPTATAAGSQTPTGWPCCPS	394	

Db 361 RTKYEAKAPKATANSVWRELALASQARLAECRLRSSAPATATAAGSQTQTPGWPCCPS 420
QY 395 DTHLPHSGSL 405
Db 421 DTHLPHSGSL 431

RESULT 2
US-09-191-136-31
; Sequence 31, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 31
; LENGTH: 441
; TYPE: PRT
; ORGANISM: Homo sapiens (polypeptide)
US-09-191-136-31

Query Match 99.0%; Score 2203; DB 3; Length 441;
Best Local Similarity 94.0%; Pred. No. 2-Se-235;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

QY 1 MGSPGATTCGGLLDYKTEK-----WALLAKGYQERDLE 34
Db 11 MGSPGATTCGGLLDYKTEKVTNRNRVGLALQELQFGIVVYVGVWALLAKGYQERDLE 70
QY 35 PPSIITKLKGVSVTOIKELGNRLWDVADPVKPPQGENVFELVTNPLVTPAQQVGRCPHE 94
Db 71 PPSIITKLKGVSVTOIKELGNRLWDVADPVKPPQGENVFELVTNPLVTPAQQVGRCPHE 130
QY 95 PSVPLANCWDEDCPEGEGETSHGKVTQCVVFNFGTHRTCEIWSWCPVSGVPSRPL 154
Db 131 PSVPLANCWDEDCPEGEGETSHGKVTQCVVFNFGTHRTCEIWSWCPVSGVPSRPL 190
QY 155 AQQNFTLTKNTVTFKSNFNSKNALETWDPYFKHCYEPQSPYCPVFRIGDLVAKA 214
Db 191 AQQNFTLTKNTVTFKSNFNSKNALETWDPYFKHCYEPQSPYCPVFRIGDLVAKA 250
QY 215 GGFEDLALGGSGVRVHWDCLDGTGDSGWCPHYSFQLEKSYNFRATTHWEOGPVEA 274
Db 251 GGFEDLALGGSGVRVHWDCLDGTGDSGWCPHYSFQLEKSYNFRATTHWEOGPVEA 310
QY 275 RTLLKLYGIRFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYW 334
Db 311 RTLLKLYGIRFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYW 370
QY 335 RTKYEAKAPKATANSVWRELALASQARLAECRLRSSAPATATAAGSQTQTPGWPCCPS 394
Db 371 RTKYEAKAPKATANSVWRELALASQARLAECRLRSSAPATATAAGSQTQTPGWPCCPS 430
QY 395 DTHLPHSGSL 405
|||||

Db 431 DTHLPHSGSL 441

RESULT 3
US-09-191-136-32
; Sequence 32, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 32
; LENGTH: 379
; TYPE: PRT
; ORGANISM: Rattus rattus
US-09-191-136-32

Query Match 69.8%; Score 1554; DB 3; Length 379;
Best Local Similarity 75.7%; Pred. No. 2e-163;
Matches 281; Conservative 26; Mismatches 38; Indels 26; Gaps 1;

QY 6 ATTGGLLDYKTEK-----WALLAKGYQERDLEPQPSI 39
Db 8 ALVSMGFLDYKTEKVTNRNCWVGISQRLLQLGVVYVGVWALLAKGYQERDMDPQISV 67
QY 40 ITKLKGVSVTOIKELGNRLWDVADPVKPPQGENVFELVTNPLVTPAQQVGRCPHEPSVPL 99
Db 68 ITKLKGVSVTOIKELKRLWDVADPVRSQGENVFELVTNPLVTPAQQVGRCPHEPSVPL 127
QY 100 ANCWDEDCPEGEGETSHGKVTQCVVFNFGTHRTCEIWSWCPVSGVPSRPLAQAN 159
Db 128 ANCWDEDCPEGEGETSHGKVTQCVVFNFGTHRTCEIWSWCPVSGVPSRPLAQAN 187
QY 160 FTLFKNTVTFKSNFNSKNALETWDPYFKHCYEPQSPYCPVFRIGDLVAKAGGTFE 219
Db 188 FTLFKNTVTFKSNFNSKNALETWDPYFKHCYEPQSPYCPVFRIGDLVAKAGGTFE 247
QY 220 DLALGGSGVRVHWDCLDGTGDSGWCPHYSFQLEKSYNFRATTHWEOGPVEARTLLK 279
Db 248 DLALGGSGVRVHWDCLDGTGDSGWCPHYSFQLEKSYNFRATTHWEOGPVEARTLLK 307
QY 280 LYGIRFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYWRTKYE 339
Db 308 LYGIRFDILVTGQAGKFLIPTAVTLGTGAALGVVTFPCDLLLLLYVDREAHFYWRTKYE 367
QY 340 EAKAPKATANS 350
Db 368 EAKAPKATANS 378

RESULT 4
US-09-949-016-6238
; Sequence 6238, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.

;; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
;; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
;; FILE REFERENCE: CL001307
;; CURRENT APPLICATION NUMBER: US/09/949,016
;; PRIOR FILING DATE: 2000-04-14
;; PRIOR APPLICATION NUMBER: 60/241,755
;; PRIOR FILING DATE: 2000-10-20
;; PRIOR APPLICATION NUMBER: 60/237,768
;; PRIOR FILING DATE: 2000-10-03
;; PRIOR APPLICATION NUMBER: 60/231,498
;; PRIOR FILING DATE: 2000-09-08
;; NUMBER OF SEQ ID NOS: 207012
;; SOFTWARE: FASTSEQ for Windows Version 4.0
;; SEQ ID NO 6238
;; LENGTH: 422
;; TYPE: PRT
;; ORGANISM: Human
US-09-949-016-6238

Query Match 36.9%; Score 822; DB 4; Length 422;
Best Local Similarity 40.3%; Pred. No. 4e-82;
Matches 173; Conservative 60; Mismatches 120; Indels 76; Gaps 9;
QY 12 LLDYKTEK-----WALLAKGVQERDLFPQSIITKLKG 45
DB 13 LFDYKTEKVIANKKVKVGLLYRLLOASILAYLVWVFLIKKGVQVDVTSLSQSAVITKVG 72
QY 46 VSVTQIKELGNRLWDVADFKPQGENVFLVNTLPAQVQGRCPHPSPVLANCWD 105
DB 73 VAFNTSDIGQRIWDVADYVIPAQGENVFPVVTNLVITNQNVCARNEGIPDGACSKD 132
QY 106 EDCPEGEGTHSHGVKGTGCVFNGTHR-TCEIWSMCPVESGVVPSRPLLAQAQNTLFI 164
DB 133 SDCHAGEAVTAGVTKTGLRGLNGLARGTCEIPAWCPLETSSRPEPLKEADEFTIFI 192
QY 165 KNTVTSKFNFSKNALETWDPYFKHCYBEPQSPYCPVFRIGDLVAKAGTFFDLALL 224
DB 193 KNHIRPKFNFSKNVMDVKDRSFLKSCFHGPK-NHYCPIFRIGLSIVRWAGSDFOIALR 251
QY 225 GSGVIRVWDCDLDTGDSGCVHPYSP-QLQEK-----SYNERTATHMWPQGVBAAT 276
DB 252 GGVGINIEWNCDDKAASECHPHYSFSLDNKLSKSVSSGNSFRARYRDAAGVEFPT 311
QY 277 LKLYGIRFDILVTGQAGKFGLIPTAVTLGTGAAMLGWVTFCDLILLYVDREAHFYWRT 336
DB 312 LKAYGIRDVWNGK-----AFCDLVLIILIKKREFYRDK 349
QY 337 KYEAKAPKATANSVWRELALASQARLACLRSSAPA-----PTATAAGSQ 383
DB 350 KYEEVRLGSDSQEABDE---ASGLGLSEQL--TSGFGLGMPQEQQLQEPPEAKRGSS 404
QY 384 TQTPGWPCP 392
DB 405 QKNGSGVCP 413

RESULT 5

US-08-742-621-1
; Sequence 1, Application US/08742621
; Patent No. 5856129
; GENERAL INFORMATION:
; APPLICANT: HILLMAN, JENNIFER L.
; APPLICANT: COLEMAN, ROGER
; TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSES: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:

MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: Fast-SEQ Version 1.5
CURRENT APPLICATION DATA: US/08/742,621
FILING DATE: Filed Herewith
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Billings, Lucy J.
REGISTRATION NUMBER: 36,749
REFERENCE/DOCKET NUMBER: PF-0147 US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-855-0555
TELEFAX: 415-845-4166
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 388 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
IMMEDIATE SOURCE:
LIBRARY:
CLONE: consensus
US-08-742-621-1
Query Match 36.7%; Score 816; DB 2; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.6e-81;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;
QY 20 WALLAKGVQERDLFPQSIITKLKGVSVTQIKELGNRLWDVADFKPQGENVFLVNTN 79
DB 46 WYFWEKGYQETD-SVSSVTTKVGAVTNTSKLGRFDVADYVIPAQENSLFVMTN 104
QY 80 FLVTPAQVQGRCPHPSPVLANCWDVDEDCPEGEGTHSHGVKGTGCVFNGTHRTCEIWS 139
DB 105 VILTNNQVQGLCPPEIPDATTV-CKSDASCTAGSAGTHSNGVSTGRCVAFNGSVKTCVAA 163
QY 140 MCPVESGV-VPSRPLLAQAQNTLFIKNTVTSKFNFSKNALETWDPYFKHCYBEPQ 198
DB 164 MCPVEDDTHVPQAPLKAENFTLLVQNNIWPKNFNSKRNILPNITTTLYLKSICYDAKT 223
QY 199 SPYCVFRIGDLVAKAGTFFDLALLGSGVGRVWDCDLDTGDSGCVHPYSPQLOE--- 255
DB 224 DPFCCPIFRIGLKIENAGHSQDMAVEGGIMGIVQVWNCNLDRAASLCULPRYSFRDLTRD 283
QY 256 -----KSYNFRATATHMWPQGVBAATLLKLYGIRFDILVTGQAGKFGLIPTAVTLGTGA 309
DB 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLIKAYGIRFDILVFGKAGKGFIIPTMINIGSL 343
QY 310 AWLGWVTFCDLILLYVDREAHFYWRTKYE 339
DB 344 ALLGNMATVLCDIILVLYCMKKRLYREKKYK 373

RESULT 6

US-09-949-016-9419
; Sequence 9419, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03

```

; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9419
; LENGTH: 397
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-9419

      Query Match          36.7%; Score 816; DB 4; Length 397;
      Best Local Similarity 47.0%; Pred. No. 1.7e-81;
      Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

Qy 20 WALLAKKGQERDLEPQFSIIITKLKGVSVTQIKELGNRLWDVADPVKPPQGENVFFLVTN 79
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 55 WVFWEKGQETD-SVSVSVTTKVGAVTNTSKLGFRIWDVADYVIPAQENSILFVMTN 113
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

Qy 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGEGGTHSHGKVTGCQVFNNGTHRTCEIWS 139
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 114 VILTMNQTQCLCEIPDATTV-CKSDASCTAGSAGTHSNGVSTGRCAVFGSVKTCVAA 172
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

Qy 140 WCVESGV-VPSRPLLAQONTLFIKNVTTSKFNFSKNALETWDTYFKHCYRPOF 198
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 173 WCVEDDTHVPQPAFLKAAENFTLLKNNIWIYKFNFSKRNILPNTITLYLKSCIYDAKT 232
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

Qy 199 SPYCPVFRIGDLVAKAGGTFFDLALIGSGVGRVHWDCDLDGDSGCWPHYSFOLQE--- 255
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 233 DPCPIFRIGKIVENAGHGFQMWAVEGGIMGLQVWDCNLDRAASLCULPRYSFRDLTRD 292
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

Qy 256 -----KSNFRPTATHWBPQGVBEARTLLKYGIRFDILVTGOAGKPGLIPTAVTLGTGA 309
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 293 VEHNVSGYNFRKAYRDLAGNEQRTLIKAYGIRFDIIVFGKACKGFDIIPMTINIGSGL 352
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

Qy 310 AWLGVTTFPCDLLLIVDREAHFYWRTKYE 339
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 353 ALLGMATVLCDIIVLYCMKKRLYYREKKYK 382
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

RESULT 7
US-09-191-608-22
; Sequence 22, Application US/09191608
; Patent No. 6242216
; GENERAL INFORMATION:
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Metzger, Randy B.
; APPLICANT: Niforatos, Wende
; APPLICANT: Touma, Edward B.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding a Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X2 and P2X4 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6394.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,608
; CURRENT FILING DATE: 1998-11-13
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 22
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-191-608-22

      Query Match          36.5%; Score 813; DB 3; Length 388;
      Best Local Similarity 47.0%; Pred. No. 3.5e-81;
      Matches 155; Conservative 55; Mismatches 108; Indels 12; Gaps 4;

Qy 20 WALLAKKGQERDLEPQFSIIITKLKGVSVTQIKELGNRLWDVADPVKPPQGENVFFLVTN 79
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |
Db 46 WVFWEKGQETD-SVSVSVTTKVGAVTNTSKLGFRIWDVADYVIPAQENSILFVMTN 104
   | : : : : : | : : : : : | : : : : : | : : : : : | : : : : : |

Qy 80 FLVTPAQVQRCPEHPSVPLANCWDEDCPEGEGGTHSHGKVTGCQVFNNGTHRTCEIWS 139

```


Db 164 WCPVENDVGPVTPAFLKAAENFTLLVKNNIWPKFNFKSRNLPNITTSYLKSCIYNAQT 223
QY 199 SPYCPVFRIGDLVAKAGTFFEDALLGGVGVIRVHWDCLDGTGDCGCPHYSFQLOE--- 255
Db 224 DPFCEIFRLGTIVGDAGHSFQEMAVEGGIMGIQKWDNCNLDRAASLCLPRYFRRLDTRD 283
QY 256 -----KSNFRATATHWEPQGVARTLLKLYGIRFDILVTGQAGKFGILPTAVTLGTGA 309
Db 284 LEHNVSPGYNFRFAKYRDLAKGEQRTLTAKYIRFDIIVFGKAGKFDIIPITMINVSGSL 343
QY 310 AWLGVTTFCDLLLYVDREAHFYWRKYE 339
Db 344 ALLGVATVLCVIVLYCMKKYKYRDKKYK 373

RESULT 9

US-09-363-745-7
; Sequence 7, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2X RECEPTORS (PURINOCREPTOR FAMILY)
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/363,745
; FILING DATE:

CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/750,134

FILING DATE:
; ATTORNEY/AGENT INFORMATION:

NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327

REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 816-4006
; TELEFAX: (703) 816-4100

INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:

LENGTH: 388 amino acids
; TYPE: amino acid

TOPOLOGY: linear
; MOLECULE TYPE: protein

US-09-363-745-7

Query Match 35.7%; Score 794; DB 3; Length 388;
Best Local Similarity 46.7%; Pred. No. 4.4e-79;
Matches 154; Conservative 55; Mismatches 109; Indels 12; Gaps 4;

QY 20 WALLAKGYQERDLEPQFSIITKLKGVSVTQIKELGNRLWDVADFKPPQGENVFLVTN 79
Db 46 WYFVWEKGYQETD-SVSVSVTTKAGVAVTNTSQLGRIWDVADYVIPAQENSFLFMTN 104
QY 80 FLVTPAQVQRCPEHPSPVLANCWDEDCPEGEGGTHSHGVKTGCQVFNHTRTCEIWS 139
Db 105 MIVTVNQSTCPEIPD-KTSCNSDADCTPGSVDTSHSSGVATGRCVPFNESVKTCEVAA 163
QY 140 WCPVESGV-VPSRPLLAQONFTLFKNTVTFSKFNFSKNALETWDPYFKHCYEPQF 198

Db 164 WCPVENDVGPVTPAFLKAAENFTLLVKNNIWPKFNFKSRNLPNITTSYLKSCIYNAQT 223
QY 199 SPYCPVFRIGDLVAKAGTFFEDALLGGVGVIRVHWDCLDGTGDCGCPHYSFQLOE--- 255
Db 224 DPFCEIFRLGTIVGDAGHSFQEMAVEGGIMGIQKWDNCNLDRAASLCLPRYFRRLDTRD 283
QY 256 -----KSNFRATATHWEPQGVARTLLKLYGIRFDILVTGQAGKFGILPTAVTLGTGA 309
Db 284 LEHNVSPGYNFRFAKYRDLAKGEQRTLTAKYIRFDIIVFGKAGKFDIIPITMINVSGSL 343
QY 310 AWLGVTTFCDLLLYVDREAHFYWRKYE 339
Db 344 ALLGVATVLCVIVLYCMKKYKYRDKKYK 373

RESULT 10

US-09-191-608-23
; Sequence 23, Application US/09191608

; Patent No. 6242216

; GENERAL INFORMATION:

; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.

; APPLICANT: Metzger, Randy E.

; APPLICANT: Niforatos, Wende

; APPLICANT: Touma, Edward B.

; APPLICANT: Van Biesen, T.

; TITLE OF INVENTION: Nucleic Acids Encoding a Functional

; TITLE OF INVENTION: Human Purinoreceptor P2X2 and P2X4 And Methods Of Production

; FILE OF INVENTION: And Use thereof

; FILE REFERENCE: 6394.US.P1

; CURRENT APPLICATION NUMBER: US/09/191,608

; CURRENT FILING DATE: 1998-11-13

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: FastSeq for Windows Version 3.0

; SEQ ID NO 23

; LENGTH: 388

; TYPE: PRT

; ORGANISM: Rattus rattus

US-09-191-608-23

Query Match 35.6%; Score 793; DB 3; Length 388;

Best Local Similarity 46.7%; Pred. No. 5.7e-79;

Matches 154; Conservative 55; Mismatches 109; Indels 12; Gaps 4;

QY 20 WALLAKGYQERDLEPQFSIITKLKGVSVTQIKELGNRLWDVADFKPPQGENVFLVTN 79
Db 46 WYFVWEKGYQETD-SVSVSVTTKAGVAVTNTSQLGRIWDVADYVIPAQENSFLFMTN 104

QY 80 FLVTPAQVQRCPEHPSPVLANCWDEDCPEGEGGTHSHGVKTGCQVFNHTRTCEIWS 139
Db 105 MIVTVNQSTCPEIPD-KTSCNSDADCTPGSVDTSHSSGVATGRCVPFNESVKTCEVAA 163

QY 140 WCPVESGV-VPSRPLLAQONFTLFKNTVTFSKFNFSKNALETWDPYFKHCYEPQF 198
Db 164 WCPVENDVGPVTPAFLKAAENFTLLVKNNIWPKFNFKSRNLPNITTSYLKSCIYNAQT 223

QY 199 SPYCPVFRIGDLVAKAGTFFEDALLGGVGVIRVHWDCLDGTGDCGCPHYSFQLOE--- 255
Db 224 DPFCEIFRLGTIVGDAGHSFQEMAVEGGIMGIQKWDNCNLDRAASLCLPRYFRRLDTRD 283

QY 256 -----KSNFRATATHWEPQGVARTLLKLYGIRFDILVTGQAGKFGILPTAVTLGTGA 309
Db 284 LEHNVSPGYNFRFAKYRDLAKGEQRTLTAKYIRFDIIVFGKAGKFDIIPITMINVSGSL 343

QY 310 AWLGVTTFCDLLLYVDREAHFYWRKYE 339
Db 344 ALLGVATVLCVIVLYCMKKYKYRDKKYK 373

RESULT 11

US-08-742-621-3

; Sequence 3, Application US/08742621

; Patent No. 5856129

```

; GENERAL INFORMATION:
; APPLICANT: HILLMAN, JENNIFER L.
; APPLICANT: COLEMAN, ROGER
; TITLE OF INVENTION: NOVEL HUMAN PURINOCEPTOR
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Incyte Pharmaceuticals, Inc.
; STREET: 3174 Porter Drive
; CITY: Palo Alto
; STATE: CA
; COUNTRY: US
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq Version 1.5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/742,621
; FILING DATE: Filed Herewith
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Billings, Lucy J.
; REGISTRATION NUMBER: 36,749
; REFERENCE/DOCKET NUMBER: PF-0147 US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-855-0555
; TELEFAX: 415-845-4166
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; IMMEDIATE SOURCE:
; LIBRARY: GenBank
; CLONE: 166438
; US-08-742-621-3

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Query Match      33.4%; Score 744; DB 2; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY 20 WALLAKGYQERDLEPQFSIITKLKGVSVTQIKELGNRLWDVADFKPKPQGENVFLVTN 79
Db 47 WVFLYKGYQTSS-GLISSVSVKLGAVTQLPGLGPQWDVADYVFPQAQDNSFVMTN 105
QY 80 FLVTPAQVQGRCPHPSPVLANCWVDEDCPEGEGTHSHGVTGQCVVFNHTRTCEIWS 139
Db 106 FIVTPKQTQGYCAEHPEGGI--CKEDSGCTPGKAKRKAQGIKTCVAFNDTVKTCEIFG 163
QY 140 WCPVE-SGVVPSRPLLAQAQNTFLTKNTVTFSEKFNFSKNALETWDPYFKHCYEQF 198
Db 164 WCPVEVDDIDPRALLREAENFTLTKNSISPRPKVNRNLVEEVNAHMKTCFLFKTL 223
QY 199 SPYCPVFRIGDLVAKAGGTFEDLALIGSGVGRVHWCDDLDTGDSGCWPHYSFQ--LOBK 256
Db 224 HPLCPVFQLYGVVQESQNFSTLAEKGGVVGITIDWHCDDLHWHVRHCRPIYEFHGLYEEK 283
QY 257 S-----YNFRATTHWEQGVGEARTLLKYGIRFDILVTGQAKGFLIPTAVTLGTGAWL 312
Db 284 NLSPGFNFRFARHFVEN-GTNYRHILFKVFGIRFDILVDGKAGKFDIIPMTTIGSGIGIF 342
QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYEEAKPKATANSVRELALASQA--RLAECLRR 369
Db 343 GVATVLCDLLLHLIPKRHHYKQKPKYAEDMGPGAAE-----RDLAATSSSTLGLQENMRT 398
QY 370 S 370
Db 399 S 399

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RESULT 12
US-08-750-134A-11
; Sequence 11, Application US/08750134A
; Patent No. 5985603
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2X RECEPTORS (PURINOCEPTOR FAMILY)
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHVE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/750,134A
; FILING DATE: 22-JAN-1997
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4006
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; US-08-750-134A-11

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Query Match      33.4%; Score 744; DB 2; Length 399;
Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

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Db 47 WVFLYKGYQTSS-GLISSVSVKLGAVTQLPGLGPQWDVADYVFPQAQDNSFVMTN 105
QY 80 FLVTPAQVQGRCPHPSPVLANCWVDEDCPEGEGTHSHGVTGQCVVFNHTRTCEIWS 139
Db 106 FIVTPKQTQGYCAEHPEGGI--CKEDSGCTPGKAKRKAQGIKTCVAFNDTVKTCEIFG 163
QY 140 WCPVE-SGVVPSRPLLAQAQNTFLTKNTVTFSEKFNFSKNALETWDPYFKHCYEQF 198
Db 164 WCPVEVDDIDPRALLREAENFTLTKNSISPRPKVNRNLVEEVNAHMKTCFLFKTL 223
QY 199 SPYCPVFRIGDLVAKAGGTFEDLALIGSGVGRVHWCDDLDTGDSGCWPHYSFQ--LOBK 256
Db 224 HPLCPVFQLYGVVQESQNFSTLAEKGGVVGITIDWHCDDLHWHVRHCRPIYEFHGLYEEK 283
QY 257 S-----YNFRATTHWEQGVGEARTLLKYGIRFDILVTGQAKGFLIPTAVTLGTGAWL 312
Db 284 NLSPGFNFRFARHFVEN-GTNYRHILFKVFGIRFDILVDGKAGKFDIIPMTTIGSGIGIF 342
QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYEEAKPKATANSVRELALASQA--RLAECLRR 369
Db 343 GVATVLCDLLLHLIPKRHHYKQKPKYAEDMGPGAAE-----RDLAATSSSTLGLQENMRT 398
QY 370 S 370
Db 399 S 399

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RESULT 13

US-09-363-745-11
; Sequence 11, Application US/09363745
; Patent No. 6194162
; GENERAL INFORMATION:
; APPLICANT: VALERA, SOLEDAD
; APPLICANT: BUELL, GARY
; TITLE OF INVENTION: P2x RECEPTORS (PURINOCEPTOR FAMILY)
; NUMBER OF SEQUENCES: 11
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NIXON & VANDERHYE P.C.
; STREET: 1100 NORTH GLEBE ROAD
; CITY: ARLINGTON
; STATE: VIRGINIA
; COUNTRY: U.S.A.
; ZIP: 22201-4714
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/363,745
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/750,134
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: CRAWFORD, ARTHUR C.
; REGISTRATION NUMBER: 25,327
; REFERENCE/DOCKET NUMBER: 1430-116
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 816-4006
; TELEFAX: (703) 816-4100
; INFORMATION FOR SEQ ID NO: 11:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 399 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-363-745-11

Query Match 33.4%; Score 744; DB 3; Length 399;

Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

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QY	80	FLVTPAQVQRCPEHPSVPLANCWDEDCPEGGTSHGVKTGCQVFNTHRTCEIWS	139
DB	106	FIVTPKQTCGYCAEHPEGGI--CKEDSGCTPGKAKKAGIIRTKCAVFNQVTKCEIFG	163
QY	140	WCPVE-SGVVPSRPLLAQNFILFKNTVTSKFNFSKNALETWDPYTFKHCRYEQF	198
DB	164	WCPVEVDDDDIPRALLRAENFTLFKNSISPRFKVNRNLVEVNAAMTKCLFHKT	223
QY	199	SPYCVFRIGDLVAKAGTFEDLALIGSVGIRVHWDCDLDTGDSGCMWPHYSFQ--LQEK	256
DB	224	HPLCPVQLGYVQVSGNQFSLAEKGGVVGITIDWHCDLHWVRHCRPIYFPHGLYB	283
QY	313	GVVTFPCDLLLYVDREAHFY--WRTKYEEAKAPKATANSVRELAASQA-RLAECLRR	369
DB	343	GVATVLCDLLLHLPKRHYKQKPKYAEADMGPGAAE----RDLAATSTSLGLQENMRT	398

QY 370 S 370
DB 399 S 399

RESULT 14

US-09-949-016-6236
; Sequence 6236, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 6236
; LENGTH: 399
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-6236

Query Match 33.4%; Score 744; DB 4; Length 399;

Best Local Similarity 44.0%; Pred. No. 1.6e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

QY	20	WALLAKGYQERDLEPQFSIIITKLGVSVTQIKELGNRLWDVADFKVPPQGENVFLVTN	79
DB	47	WVFLYKGYQTSS-GLISSVSVKLGAVTQPLGLPQVWDVADYVFPAGGNSFVVMTN	105
QY	80	FLVTPAQVQRCPEHPSVPLANCWDEDCPEGGTSHGVKTGCQVFNTHRTCEIWS	139
DB	106	FIVTPKQTCGYCAEHPEGGI--CKEDSGCTPGKAKKAGIIRTKCAVFNQVTKCEIFG	163
QY	140	WCPVE-SGVVPSRPLLAQNFILFKNTVTSKFNFSKNALETWDPYTFKHCRYEQF	198
DB	164	WCPVEVDDDDIPRALLRAENFTLFKNSISPRFKVNRNLVEVNAAMTKCLFHKT	223
QY	199	SPYCVFRIGDLVAKAGTFEDLALIGSVGIRVHWDCDLDTGDSGCMWPHYSFQ--LQEK	256
DB	224	HPLCPVQLGYVQVSGNQFSLAEKGGVVGITIDWHCDLHWVRHCRPIYFPHGLYB	283
QY	257	S-----YNERTATHWQEQVVEARTLLKLYGIRFDILVTQAGCKEGLIPTAVTLGTGA	312
DB	284	NLSPGFNFRFAHFVEN-GTNYRHLFKVGFIRFDILVDGKAGKFDIIPITMTTIGSIGIF	342
QY	313	GVVTFPCDLLLYVDREAHFY--WRTKYEEAKAPKATANSVRELAASQA-RLAECLRR	369
DB	343	GVATVLCDLLLHLPKRHYKQKPKYAEADMGPGAAE----RDLAATSTSLGLQENMRT	398

RESULT 15

US-09-949-016-10007
; Sequence 10007, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016

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; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 10007
; LENGTH: 453
; TYPE: PRT
; ORGANISM: Human
; US-09-949-016-10007

Query Match      33.4%; Score 744; DB 4; Length 453;
Best Local Similarity 44.0%; Pred. No. 2e-73;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

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Db 101 WFLYKGYQTS-GLISSVSKLGLAVTQLPGLGPQWMDVADYVFPAGDNSFVMTN 159

QY 80 FLVTPAQVQGRCPHPSVPLANCWDEDCPEGEGGTHSHGVKTGCQVFNQTHRTCEIWS 139
Db 160 FIVTPKQTQGYCAEHPEGI--CKEDSGCTPGKAKRKAQGIKTKCAVNDTVKICEIFG 217

QY 140 WCPVE-SGVVSRPLLAQONFTLFIKNTVTFKFNFSKSNALETWDTPTYFKHCRYEQF 198
Db 218 WCPVEVDDDIIPRALLREAENFTLFKNSISPPRPKNRRNLVEEVNAAHMTCLFHKTL 277

QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALLGSGVGIRVHWDCDLDTGDSGCWPHYSFO--LQEK 256
Db 278 HPLCPVFQLGYVQESGQNFSTLAKEKGVVGTIDWHCDLDWHVRHCRPIYEFHGLYEK 337

QY 257 S----YNFRATATWMEQPGVEARTLLKYGIRFDILVTGOAGKFGLIPTAVTLGTGAWL 312
Db 338 NLSPGFNFRFARHVEN-GTYRHLEKVFGRFDILVDGKAGKFDIIPITWTIGSIGIF 396

QY 313 GVVTFFCDLLLYVDREAHFY--WRTKYEAKAPKATANSVWRELALASQA-RLAECLRR 369
Db 397 GVATVLCDLLLHLLPKRHYKQKPKYAEDMGPGAAE----RDLAATSSTLGLQENMRT 452

QY 370 S 370
Db 453 S 453
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Search completed: August 19, 2005, 22:52:55
Job time : 43 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: August 19, 2005, 22:45:39 ; Search time 161 Seconds
(without alignments)

985.046 Million cell updates/sec

Title: US-09-820-095B-2

Perfect score: 2226

Sequence: 1 MGSPGATTCGGLLDYKTEKW.....TFPCPSSDTHLPTHSGL 405

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

Searched: 1759131 seqs, 391586102 residues

Total number of hits satisfying chosen parameters: 1759131

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Published Applications_AA.*

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3: /cgn2_6/ptodata/2/pubpaa/US06_NEW_PUB.pep.*
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8: /cgn2_6/ptodata/2/pubpaa/US08_PUBCOMB.pep.*
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15: /cgn2_6/ptodata/2/pubpaa/US10C_PUBCOMB.pep.*
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17: /cgn2_6/ptodata/2/pubpaa/US10E_PUBCOMB.pep.*
18: /cgn2_6/ptodata/2/pubpaa/US10F_PUBCOMB.pep.*
19: /cgn2_6/ptodata/2/pubpaa/US11A_PUBCOMB.pep.*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	2203	99.0	431	10 US-09-820-095-4	Sequence 4, Appli
3	2203	99.0	431	16 US-10-817-607-11	Sequence 11, Appli
4	1128.5	50.7	395	16 US-10-817-607-12	Sequence 12, Appli
5	1080.5	48.5	364	15 US-10-051-874-125	Sequence 125, Appli
6	825.5	37.1	422	16 US-10-128-558-144	Sequence 144, Appli
7	822	36.9	422	16 US-10-370-715B-572	Sequence 572, Appli
8	816	36.7	388	9 US-09-833-082-2	Sequence 2, Appli
9	816	36.7	388	15 US-10-455-552-2	Sequence 2, Appli
10	816	36.7	388	16 US-10-817-607-9	Sequence 9, Appli
11	816	36.7	388	17 US-10-482-029-257	Sequence 257, Appli

12	816	36.7	388	17	US-10-676-289-2	Sequence 2, Appli
13	810	36.4	388	15	US-10-386-414-17	Sequence 17, Appli
14	803.5	36.1	421	16	US-10-817-607-10	Sequence 10, Appli
15	744	33.4	399	15	US-10-352-684A-54	Sequence 54, Appli
16	744	33.4	399	16	US-10-817-607-8	Sequence 8, Appli
17	709	31.9	459	14	US-10-345-680-11	Sequence 11, Appli
18	709	31.9	459	15	US-10-051-874-123	Sequence 123, Appli
19	709	31.9	471	16	US-10-817-607-6	Sequence 6, Appli
20	704.5	31.6	397	16	US-10-408-765A-2202	Sequence 2202, Appli
21	704.5	31.6	397	18	US-10-491-545A-42	Sequence 42, Appli
22	694	31.2	402	11	US-09-764-875-905	Sequence 905, Appli
23	694	31.2	404	15	US-10-051-874-124	Sequence 124, Appli
24	693	31.1	497	15	US-10-051-874-120	Sequence 120, Appli
25	673.5	30.3	287	15	US-10-455-552-3	Sequence 3, Appli
26	673.5	30.3	397	16	US-10-817-607-7	Sequence 7, Appli
27	631	28.3	447	15	US-10-051-874-121	Sequence 121, Appli
28	631	28.3	447	15	US-10-051-874-122	Sequence 122, Appli
29	615	27.6	473	15	US-10-051-874-42	Sequence 42, Appli
30	611.5	27.5	595	16	US-10-408-765A-2166	Sequence 2166, Appli
31	608.5	27.3	595	16	US-10-622-313-1	Sequence 1, Appli
32	608.5	27.3	595	16	US-10-789-241-40	Sequence 40, Appli
33	608.5	27.3	595	18	US-10-825-593-3	Sequence 3, Appli
34	608.5	27.3	595	18	US-10-825-593-9	Sequence 9, Appli
35	607.5	27.3	588	18	US-10-825-593-11	Sequence 11, Appli
36	607.5	27.3	595	16	US-10-817-607-3	Sequence 3, Appli
37	607.5	27.3	595	16	US-10-817-607-4	Sequence 4, Appli
38	607.5	27.3	595	18	US-10-825-593-4	Sequence 4, Appli
39	607.5	27.3	595	18	US-10-825-593-5	Sequence 5, Appli
40	607.5	27.3	595	18	US-10-825-593-10	Sequence 10, Appli
41	607.5	27.3	595	18	US-10-825-593-12	Sequence 12, Appli
42	606.5	27.2	595	10	US-09-977-221-4	Sequence 4, Appli
43	606.5	27.2	595	16	US-10-766-978-4	Sequence 4, Appli
44	606.5	27.2	595	18	US-10-825-593-7	Sequence 7, Appli
45	603.5	27.1	595	18	US-10-825-593-8	Sequence 8, Appli

ALIGNMENTS

RESULT 1

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US-09-820-095-2
; Sequence 2, Application US/09820095
; Publication NO. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; FILE REFERENCE: CL001202
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 405
; TYPE: PRT
; ORGANISM: Human
US-09-820-095-2
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Best Local Similarity 100.0%; Pred. No. 6.6e-214;
Matches 405; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Db	1	MGSPGATTCGGLLDYKTEKWALLKKGVOERDLEPOPSIITKLKGVSVTQIKELGNRLWD	60
Qy	61	VADFKVPPGQGVNFVLTNFTVTPAQVQRCRCEHPSVPLANCWVDEDCPEGEGTHSHGV	120
Db	61	VADFKVPPGQGVNFVLTNFTVTPAQVQRCRCEHPSVPLANCWVDEDCPEGEGTHSHGV	120
Qy	121	KTGCQCVFNGTHRTCEIWSWCVPESGWSRPLLAQAQNTLFIKNTVTFSKFNFSKNSA	180
Db	121	KTGCQCVFNGTHRTCEIWSWCVPESGWSRPLLAQAQNTLFIKNTVTFSKFNFSKNSA	180

Db 121 KTGQCVPFNGTHRTCEIWSNCPVSGVPSRPLLAQAQNTLFIKNTVTFSEKFNFSKNA 180
QY 181 LETWDPYFKHCRYEPQSPYCPVFRIGDLVAKAGTGFEDLALLGSGVGIRVHWCDDLT 240
Db 181 LETWDPYFKHCRYEPQSPYCPVFRIGDLVAKAGTGFEDLALLGSGVGIRVHWCDDLT 240
QY 241 GDSGCWPHYSFQLOEKSYNFRATTHWEGPVEARTLLKLYGIRFDILTGTGQAGKFGILP 300
Db 241 GDSGCWPHYSFQLOEKSYNFRATTHWEGPVEARTLLKLYGIRFDILTGTGQAGKFGILP 300
QY 301 TAVTLGTGAWLGVVTFCCDLLLYVDREAHFVWRTKYBEAKAPKATANSVMRELALASQ 360
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QY 361 ARLAECLRRSSAPATATAAGSQTPGWPCCSSDTHLPHSGSL 405
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RESULT 2

US-09-820-095-4
; Sequence 4, Application US/09820095
; Publication No. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Human
US-09-820-095-4

Query Match 99.0%; Score 2203; DB 10; Length 431;
Best Local Similarity 94.0%; Pred. No. 1.5e-211;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

QY 1 MGSPGATTGWGLLDYKTEK-----WALLAKGYQERDLE 34
Db 1 MGSPGATTGWGLLDYKTEKYVMTRNWRVGAQLQRLQFGIVVYVVGWALLAKGYQERDLE 60
QY 35 PQFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 94
Db 61 PQFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 120
QY 95 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNTHRTCEIWSNCPVSGVPSRPLL 154
Db 121 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNTHRTCEIWSNCPVSGVPSRPLL 180
QY 155 AQAQNTLFIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 214
Db 181 AQAQNTLFIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 240
QY 215 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATTHWEGPVEA 274
Db 241 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATTHWEGPVEA 300
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Db 301 RTLLKLYGIRFDILTGTGQAGKFGILPTAVTLGTGAWLGVVTFPCDLLLLYYVDREAHFYW 360
QY 335 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 394
Db 361 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 420
QY 395 DTHLPHSGSL 405
Db 395 DTHLPHSGSL 405

Db 421 DTHLPHSGSL 431
RESULT 3
US-10-817-607-11
; Sequence 11, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICE VARIANT,
; FILE REFERENCE: D0272 NP
; CURRENT APPLICATION NUMBER: US/10/817,607
; CURRENT FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: U.S. 60/460340
; PRIOR FILING DATE: 2003-04-03
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 11
; LENGTH: 431
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-817-607-11

Query Match 99.0%; Score 2203; DB 16; Length 431;
Best Local Similarity 94.0%; Pred. No. 1.5e-211;
Matches 405; Conservative 0; Mismatches 0; Indels 26; Gaps 1;

QY 1 MGSPGATTGWGLLDYKTEK-----WALLAKGYQERDLE 34
Db 1 MGSPGATTGWGLLDYKTEKYVMTRNWRVGAQLQRLQFGIVVYVVGWALLAKGYQERDLE 60
QY 35 PQFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 94
Db 61 PQFSIITKLKGVSVTQIKELGNRLMDVADFKVPPQGENVFFLVNPLVTPAQQVQRCPEH 120
QY 95 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNTHRTCEIWSNCPVSGVPSRPLL 154
Db 121 PSVPLANCWVDEDCPEGEGTHSHGVKTCQCVVFNTHRTCEIWSNCPVSGVPSRPLL 180
QY 155 AQAQNTLFIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 214
Db 181 AQAQNTLFIKNTVTFSEKFNFSKNALETWDTPTFKHCRYEPQSPYCPVFRIGDLVAKA 240
QY 215 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATTHWEGPVEA 274
Db 241 GGTFFEDLALLGSGVGIRVHWCDDLTGDSGCWPHYSFQLOEKSYNFRATTHWEGPVEA 300
QY 275 RTLLKLYGIRFDILTGTGQAGKFGILPTAVTLGTGAWLGVVTFPCDLLLLYYVDREAHFYW 334
Db 301 RTLLKLYGIRFDILTGTGQAGKFGILPTAVTLGTGAWLGVVTFPCDLLLLYYVDREAHFYW 360
QY 335 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 394
Db 361 RTKYBEAKAPKATANSVMRELALASQARLAECRLRRSSAPATATAAGSQTPGWPCCSS 420
QY 395 DTHLPHSGSL 405
Db 421 DTHLPHSGSL 431

RESULT 4

US-10-817-607-12
; Sequence 12, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICE VARIANT,
; FILE REFERENCE: D0272 NP
; CURRENT APPLICATION NUMBER: US/10/817,607
; CURRENT FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: U.S. 60/460340

/ PRIOR FILING DATE: 2003-04-03
/ NUMBER OF SEQ ID NOS: 96
/ SOFTWARE: PatentIn version 3.2
/ SEQ ID NO 12
/ LENGTH: 395
/ TYPE: PRT
/ ORGANISM: Artificial Sequence
/ FEATURE:
/ OTHER INFORMATION: P2X Consensus Polypeptide Sequence
US-10-817-607-12

Query Match 50.7%; Score 1128.5; DB 16; Length 395;
Best Local Similarity 55.7%; Pred. No. 6.3e-104;
Matches 201; Conservative 53; Mismatches 90; Indels 17; Gaps 5;

QY 9 GW---GLLDYKTEKALLAKGQYERDLBPQPSIIITKLKGV---SVTQIKELGNRLWDVA 62
DB 33 GWASAGTALSHRYVFLWEKGVQDRDTSQSSVITKVGAVMTNTVQTSMLGNRVWDVA 92
QY 63 DFVKPPQGENVFPLVNTFLVTPAQVQRCPEHPSVPLANCWVDEDCPEGEGGTHSHGVKT 122
DB 93 DIVIPQGENVFVMTNMLVTPNQTCGCPHEPEVDPDGNCSDDSDCHAGEAGWHGHIKT 152
QY 123 GQCVVNGTH-RTCEIWSWCPVE-SGVVPSRPLLAQAQNTLFIKVTTFSPKFNFSKNA 180
DB 153 GRCVRENHSHRTCEIWAQCPVEDDDHVPMPMLKEARNTPIKNSIWFPPKFNFSKRNI 212
QY 181 LETWDTYKHCYEPQSPYCPVPRIGDLVAKAGCTFEDLALLGSGVIRVHWCDDLT 240
DB 213 LENWDTYKHCYEPQSPYCPVPRIGDLVAKAGCTFEDLALLGSGVIRVHWCDDLT 272
QY 241 GSGCWPHYSFQIQEK-----SYNFRATHWQEPQVEARTLLKLYGIRFOILVTG 291
DB 273 ANSHCWPHYSFRLDNRKHEHNSPCYNFRPAKYVWNNNGVEVRLMKAYGIRFVIVHG 332
QY 292 QAKGFLIPTAVLTGGAWLGVVTPFCDDLLLYVDREAHFYRTKYERAKAPKATANSV 351
DB 333 KAGKFDIPTMINIGSLAMGVGTFFCDWILLYCMKRRHYWHKFEYVEDMKQANSE 392
QY 352 W 352
DB 393 W 393

RESULT 5

/ Sequence 125, Application US/10051874
/ Publication No. US20040005557A1
/ GENERAL INFORMATION:
/ APPLICANT: Padigar, Muralidhara
/ APPLICANT: Alsobrook II, John P
/ APPLICANT: Coleman, Steven D
/ APPLICANT: Spytek, Kimberly A
/ APPLICANT: Boldog, Ferenc
/ APPLICANT: Vernet, Corine AM
/ APPLICANT: Li, Li
/ APPLICANT: Shenoy, Suresh G
/ APPLICANT: Casman, Stacie J
/ APPLICANT: Guo, Xiaojia Sasha
/ APPLICANT: Edinger, Shlomit R
/ APPLICANT: MacDougall, John R
/ APPLICANT: Malyankar, Uriel M
/ APPLICANT: Patturajan, Meera
/ APPLICANT: Shinkets, Richard A
/ APPLICANT: Pena, Carol EA
/ APPLICANT: Tchernev, Velizar T
/ APPLICANT: Zerhusen, Bryan D
/ APPLICANT: Millet, Isabelle
/ APPLICANT: Miller, Charles E
/ APPLICANT: Lepley, Denise M
/ APPLICANT: Smithson, Glenna
/ APPLICANT: Baumgartner, Jason C
/ APPLICANT: Herrman, John L

US-10-051-874-125

Query Match 48.5%; Score 1080.5; DB 15; Length 364;
Best Local Similarity 56.1%; Pred. No. 3.6e-99;
Matches 203; Conservative 44; Mismatches 80; Indels 35; Gaps 4;

QY 14 DYKTEK-----WALLAKGYQERDLEPQPSIITKLKGV 47
DB 2 DYKTPKYVVRNKKVGLNRLVQLLILVYVVGWVFLIEKGYQSDTSLOSSVITKVGVA 61
QY 48 VTQIKELGNRLWDVADFKPPQGENVFPLVTPAQVQRCPEHPSVPLANCWVDE 107
DB 62 VTNTELGNRVWDVADYVIPQGENVFVVTNFIPTNQTGTCPEHPVPDGTCKSDSD 121
QY 108 CPEGEGGTHSHGVKTGQCQVVFNGT-HRTCEIWSWCPVESGVVPSRPLLAQAQNTLFIKN 166
DB 122 CTAGEAGTHNGIKTGRCVAFNGSVRRTCEIFAMCPVEVDTPNPPLKEAENFTIFIKN 181
QY 167 TVTSPKFNFSKNALETWDTYKHCYEPQSPYCPVPRIGDLVAKAGCTFEDLALLG 226
DB 182 SIRFPKFNFSKGNLLENKTDITLKHCFHPTNDPYCPIFRLGDDVVEKAGQDFODLALKGG 241
QY 227 SVGIRVHWCDDLTGDSGCWPHYSFQ-----LOEKS-----YNFRATHWQEPQVEARTLL 278
DB 242 VIGIILNWDCCDLDAASECNPHYSRRLDNKKEKSVSPGYNFRPAKYVWNNNGVEVRLTLL 301
QY 279 KLYGIRFDILVTGQAGKFLIPTAVLTGGAWLGVVTPFCDDLLLYVDREAHFYRTKY 338

US-10-051-874-125

OTHER INFORMATION: Description of Artificial Sequence: P2X_receptor
OTHER INFORMATION: domain sequence

; ORGANISM: Homo sapiens
US-10-455-552-2

	Query Match	36.7%; Score 816; DB 15; Length 388;
	Best Local Similarity	47.0%; Pred. No. 1.3e-72;
	Matches 155; Conservative	56; Mismatches 107; Indels 12; Gaps 4
Qy	20 WALLAKGYQERDLEPOFSITIKLKGVSVTQIKELGNRLWDVADVFKPPQGENVFVLVTN	79
Db	46 WVFWEKGYQETD-SVVSVTTTKVGAVTNTSKLGPRIMDVADYVIPAQEENSLEFVMTN	104
Qy	80 FLVTPAQVCGRCEHPSPVLANCWDBDCPEGEGGTHSGVKTCQCYYFNQTHRTCEIWS	139
Db	105 VILTMQTGLCEIPIDATTV-CXSDASCTAGSNATHSGVSTGRCVAFNGSVKTCEVA	163
Qy	140 WCPVESGV-VPSRPLLAQAQNFLIFIKNTVTTFKSFNFSKNSNALETBPTFPKHCRYPEQF	198
Db	164 WCPVEDDTHVPQAPFLAAENFLLLVQNINWPKFNFESKRNLFNITTYLKSCIYDAKT	223
Qy	199 SPYCPVFRIGDLVAKAGTGFEDIALLGSSGVRVHWDCLDTDGSCWMPHYSFQJQE---	255
Db	224 DPFCPIFLGKI VENAGSHSQDMAVEGGINGIQVNWDCNDLDRAASLC LPRYSFRRLDTRD	283
Qy	256 -----KSYNFRPATHWEOQGEARETLKLKYIRPDILTGTQAGKGLIPTATLTGGA	309
Db	284 VEHNVSQYNFRPAKYRYDLAGNEQR TLKAYGIRFDIIIVFGKAGKFDIITMINIGSGL	343
Qy	310 AWLGVTFFCCDLLLYVDREAHFWRTKYE	339
Db	344 ALLGMATVLCDIIVLYCMKKRLYYREKKY	373

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RESULT 10
US-10-817-607-9
; Sequence 9, Application US/10817607
; Publication No. US20040229262A1
; GENERAL INFORMATION:
; APPLICANT: Bristol-Myers Squibb Company
; TITLE OF INVENTION: POLYNUCLEOTIDE ENCODING A NOVEL HUMAN P2X7 SPLICE VARIANT
; TITLE OF INVENTION: HBMP2X7V
; FILE REFERENCE: D0272 NP
; CURRENT APPLICATION NUMBER: US/10/817,607
; CURRENT FILING DATE: 2004-04-02
; PRIOR APPLICATION NUMBER: U.S. 60/460340
; PRIOR FILING DATE: 2003-04-03
; NUMBER OF SEQ ID NOS: 96
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 9
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-817-607-9

```

Query Match	36.7%;	Score 816;	DB 16;	Length 388;
Best Local Similarity	47.0%;	Pred. No. 1.3e-72;		
Matches 155;	Conservative 56;	Mismatches 107;	Indels 12;	Gaps 4;
Qy	20	WALLAKGYQBRDLPEQFSIIITKLKGVSTQIKELGNRLWDVADVPKQOQENVFVLVTN	79	
Db	46	WVFWKGYQETD-SVVSSTTKVGVAVNTSKLGRINWDVADYVIPAQEENSLFVMTN	104	
Qy	80	FLVTPAQVQCPEHPSPVLANCWDDECPGEGGTHSHGVKTCQCVVFNGETHRTCEIWS	139	
Db	105	VILTMNQTLCEIPDATTV-CKSDASCTAGSAGTHSNGYSTGRCVAFNGSVKTCVAA	163	
Qy	140	WCPVBSGV-VPSRPLLAQAQNTLFIKNTVTFESKFNFSKNALETWDPPTYKHCYRBPQF	198	
Db	164	WCPVEDTHWPQAPFLKAENFILLVKNNTWYKPFNFSKRNILPNITTYILKCIYDAKT	223	
Qy	199	SPYCPVFRIGDLVAKAGGTTFEDALLGGSGVIRVHWDCLDGTGSGCWPHYSFOLQE---	255	
Db	224	DPFCFIFELGKIVENAGHSFODMAVEGIMGIOVNWDCNTDRAASLCLPFRYSFRRLDTRD	283	

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RESULT 8
US-09-833-082-2
; Sequence 2, Application US/09833082
; Patent No. US20020151480A1
; GENERAL INFORMATION:
; APPLICANT: Chun, Milyoung
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR TREATING
; TITLE OF INVENTION: CARDIOVASCULAR DISEASE USING 10218
; FILE REFERENCE: MNI-227
; CURRENT APPLICATION NUMBER: US/09/833.082
; CURRENT FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 2
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo Sapiens
US-09-833-082-2

Query Match      36.7%; Score 816; DB 9; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

Qy      20 WALLAKGYQERDLEPQFSIITKLKGVSVTQIKELGNRLWDVADFKVPPQCGENVFELVTN 79
Db      46 WVFWEKGYQETD-SVSVSVTKVKGVAVTNTSKLGRFIMDVADYVIPAQEENSILFVMTN 104
Qy      80 FLVTPAQVQGRCPHPSPVLNACWDEDCPEGEGTTHSHGVKTCQCVCVFNCTHRTCEIWS 139
Db      105 VILTMNCTQGLCPETDATTV-CXSDASCTAGSAGTHSGVSTGRCAVFNAGSVKTCVAA 163
Qy      140 WCPVESGV-VPSRPLLAQAQNTFLPKMTVTFSPKFNFSKSNALETWDPDTPYFKHCYBPQP 198
Db      164 WCPVEDDTHVPQPAFLKAAENFTLLVKNNIWYPKFNFSKRNILPNIITTYLKSCIYDAKT 223
Qy      199 SPYCPVFRIGDLVAKAGTGFEDLALIGSGVGIRVHVWCDLDTGSGCWPHPYSFQLE--- 255
Db      224 DPFCEIFRLGKIVENAGHSFODMAVEGGIMGIQVNWDCNLDRAASLCLFPRYSFRLLDTRD 283
Qy      256 -----KSYNPRTATHWEQGVBEARTLLKLYGIRFDILVTGQAGKFGLIPTAVTLGTGA 309
Db      284 VEHNVSPCYNFRFAKYIEDLAGNQRTLIKAYGIRFDIIVFGKAGKFDIIFTMINISGL 343
Qy      310 AWLGWVTFEFCDLLLLYVDREAHFYWRTKYE 339
Db      344 ALLGMATVLCDIIVLYCMKRLYYREKKYK 373

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RESULT 9
US-10-455-552-2
; Sequence 2, Application US/10455552
; Publication No. US20040018533A1
; GENERAL INFORMATION:
; APPLICANT: Adam, Gail Isabel
; APPLICANT: Langdown, Maria
; APPLICANT: Roth, Richard
; APPLICANT: Denissenko, Mikhail
; APPLICANT: Smylie, Kevin
; TITLE OF INVENTION: DIAGNOSING PREDISPOSITION TO FAT
; TITLE OF INVENTION: DEPOSITION AND THERAPEUTIC METHODS FOR REDUCING FAT
; TITLE OF INVENTION: DEPOSITION AND TREATMENT OF ASSOCIATED CONDITIONS
; FILE REFERENCE: 52459-20030.00
; CURRENT APPLICATION NUMBER: US/10/455,552
; CURRENT FILING DATE: 2003-06-04
; PRIOR APPLICATION NUMBER: US 60/386,012
; PRIOR FILING DATE: 2002-06-04
; NUMBER OF SEQ ID NOS: 98
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 388
; TYPE: PRT

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QY 256 -----KSYNERTATHWHPQGVARTLLKLYGIREDDILVTGOAGKFGLIPTAVTLGTGA 309
Db 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLIKAYGIRFDIIVFGKAGKFDIIPMTMINIGSGL 343
QY 310 AWLGVVTFPCDLLLLLYVDREAHFYWRKYE 339
Db 344 ALLGMATVLCDIIVLYCMKKRLYYREKKYK 373

RESULT 11

US-10-482-029-257
; Sequence 257, Application US/10482029
; Publication No. US20050037445A1
; GENERAL INFORMATION:
; APPLICANT: ODIN medical A/S
; TITLE OF INVENTION: Oncology drug innovation
; FILE REFERENCE: P 573 PC00
; CURRENT APPLICATION NUMBER: US/10/482,029
; CURRENT FILING DATE: 2003-12-29
; NUMBER OF SEQ ID NOS: 437
; SOFTWARE: Patent in version 3.1
; SEQ ID NO 257
; LENGTH: 388
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-482-029-257

Query Match 36.7%; Score 816; DB 17; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

QY 20 WALLAKKGQERDLBPQFSIIITKLKGVSVTQIKELGNRLMDVADVFKPPQGENVFLVTN 79
Db 46 WVFVMEKGQETD-SVSSVTTTKVGVAVTNTSKLGFRIWDVADVVIIPAQEENSFLVMTN 104
QY 80 FLVTPAQVQRCPEHPSPVLANCWDEDCPEBEGGTHSHGVKTGCVVFNHGTHTCEIWS 139
Db 105 VILTNQTOGLCPETDATTV-CKSDASCTAGSHNGSVTGRCAVFNHGTHTCEIWS 163
QY 140 WCPVESGV-VPSRPLLAQAQNTFLIKNTVTFSKFNFSKNALETWDTPTFKHCRYEQF 198
Db 164 WCPVEDDTHVPQAPFLKAAENFTLLVKNNIWPKFNFSKRNILPNITTYLKSCLYDAKT 223
QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALLGSGVGIRVHWCDCDLTDGDSGCWPHYSFQLOE--- 255
Db 224 DPFCPIFRLGKIVENAGHSFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLDTRD 283
QY 256 -----KSYNERTATHWHPQGVARTLLKLYGIRFDIIVTGOAGKFGLIPTAVTLGTGA 309
Db 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLIKAYGIRFDIIVFGKAGKFDIIPMTMINIGSGL 343
QY 310 AWLGVVTFPCDLLLLLYVDREAHFYWRKYE 339
Db 344 ALLGMATVLCDIIVLYCMKKRLYYREKKYK 373

RESULT 12

US-10-676-289-2
; Sequence 2, Application US/10676289
; Publication No. US20050074819A1
; GENERAL INFORMATION:
; APPLICANT: TSUDA, MAKOTO
; APPLICANT: KOIZUMI, SHUICHI
; APPLICANT: KOHSAKA, SHINICHI
; APPLICANT: KOHSAKA, KAZUHIDE INOUE
; TITLE OF INVENTION: A SCREENING METHOD OF DRUG FOR TREATMENT OF NEUROPATHIC PAIN
; FILE REFERENCE: U 014843-4
; CURRENT APPLICATION NUMBER: US/10/676,289
; CURRENT FILING DATE: 2003-10-01
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: Patent in version 3.2
; SEQ ID NO 2
; LENGTH: 388

; TYPE: PRT
; ORGANISM: HOMO SAPIENS
US-10-676-289-2

Query Match 36.7%; Score 816; DB 17; Length 388;
Best Local Similarity 47.0%; Pred. No. 1.3e-72;
Matches 155; Conservative 56; Mismatches 107; Indels 12; Gaps 4;

QY 20 WALLAKKGQERDLBPQFSIIITKLKGVSVTQIKELGNRLMDVADVFKPPQGENVFLVTN 79
Db 46 WVFVMEKGQETD-SVSSVTTTKVGVAVTNTSKLGFRIWDVADVVIIPAQEENSFLVMTN 104
QY 80 FLVTPAQVQRCPEHPSPVLANCWDEDCPEBEGGTHSHGVKTGCVVFNHGTHTCEIWS 139
Db 105 VILTNQTOGLCPETDATTV-CKSDASCTAGSHNGSVTGRCAVFNHGTHTCEIWS 163
QY 140 WCPVESGV-VPSRPLLAQAQNTFLIKNTVTFSKFNFSKNALETWDTPTFKHCRYEQF 198
Db 164 WCPVEDDTHVPQAPFLKAAENFTLLVKNNIWPKFNFSKRNILPNITTYLKSCLYDAKT 223
QY 199 SPYCPVFRIGDLVAKAGGTFFEDLALLGSGVGIRVHWCDCDLTDGDSGCWPHYSFQLOE--- 255
Db 224 DPFCPIFRLGKIVENAGHSFQDMAVEGGIMGIQVNWDCNLDRAASLCLPRYSFRRLDTRD 283
QY 256 -----KSYNERTATHWHPQGVARTLLKLYGIRFDIIVTGOAGKFGLIPTAVTLGTGA 309
Db 284 VEHNVSPGYNFRFAKYRDLAGNEQRTLIKAYGIRFDIIVFGKAGKFDIIPMTMINIGSGL 343
QY 310 AWLGVVTFPCDLLLLLYVDREAHFYWRKYE 339
Db 344 ALLGMATVLCDIIVLYCMKKRLYYREKKYK 373

RESULT 13

US-10-386-414-17
; Sequence 17, Application US/10386414
; Publication No. US20040006016A1
; GENERAL INFORMATION:
; APPLICANT: Kapeller-Libermann, Rosana
; APPLICANT: Robison, Keith E.
; APPLICANT: White, David
; APPLICANT: Williamson, Mark W.
; APPLICANT: Cook, William James
; APPLICANT: Meyers, Rachel E.
; APPLICANT: MacBeth, Kyle J.
; APPLICANT: Carroll, Joseph M.
; APPLICANT: Chun, Miyoung
; TITLE OF INVENTION: NOVEL 27875, 22025, 27420, 17906, 16319,
; FILE REFERENCE: MP103-0210MNIM
; CURRENT APPLICATION NUMBER: US/10/386,414
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: 09/426,282
; PRIOR FILING DATE: 1999-10-25
; PRIOR APPLICATION NUMBER: 09/668,266
; PRIOR FILING DATE: 2000-09-22
; PRIOR APPLICATION NUMBER: 09/330,970
; PRIOR FILING DATE: 1999-06-11
; PRIOR APPLICATION NUMBER: 09/724,599
; PRIOR FILING DATE: 2000-11-28
; PRIOR APPLICATION NUMBER: 09/860,193
; PRIOR FILING DATE: 2001-05-16
; PRIOR APPLICATION NUMBER: 10/283,023
; PRIOR FILING DATE: 2002-10-29
; PRIOR APPLICATION NUMBER: 60/335,044
; PRIOR FILING DATE: 2001-10-31
; PRIOR APPLICATION NUMBER: 10/010,943
; PRIOR FILING DATE: 2001-12-06
; PRIOR APPLICATION NUMBER: 60/254,037
; PRIOR FILING DATE: 2000-12-07
; PRIOR APPLICATION NUMBER: 09/833,082
; PRIOR FILING DATE: 2001-04-10
; NUMBER OF SEQ ID NOS: 19

Best Local Similarity 44.0%; Pred. No. 2.2e-65;
Matches 159; Conservative 56; Mismatches 128; Indels 18; Gaps 9;

Qy	20	WALLAKGYQERDLEPQFSIITKLKGVSVTQIKELGNRLMDVADVFKPPQGENVFFLVTN	79
Db	47	WVFLYEKGQYQTSS-GLISSVSVKLGSLAVTQLPGLGPQVWDVADYVFPQAQDNSFVWMTN	105
Qy	80	FLVTPAQVQGRCPHPSPVPLANCWVDEDCPEGEGGTHSHGVKTGCQCVFNGTHRTCEIWS	139
Db	106	FIVTPKQTQGYCAEHPEGGI--CKEDSGCTPGKAKRKAQGIKRTGKCAFNADVKTCEIFG	163
Qy	140	WCPVE-SGVVPSRPLLAQAQNTLFTKNTVTSKENFSKSNALETWDPYFKHCRYEPQF	198
Db	164	WCPVEVDDIPRALIREAENFTLFKNSISPRFKVNRNRLVEEVNAAHMKTCLFHKT	223
Qy	199	SPYCPVFRIGDLVAKAGGTFEDLALIGSGVGIRVHWDCLDTGDSGCWPHYSFQ--LQEK	256
Db	224	HPLCPVFLGYVVQESGQNFSTLAEKGGVVGITIDWHCDLDWHVRHCRPIYEFHGLYEEK	283
Qy	257	S-----YNFTATHWEPQVEARTLLKLYGIRPDILVTGQAGKPGLIPTAVTLGTGAWL	312
Db	284	NLSPGFNFRFARHVEN-GTNYRHLFKVFGIRFDILVDGKAGKFDIIPMTTIGSGIGIF	342
Qy	313	GVVTFPCDLLLYVDREAHFY--WRTKYEEAKAPKATANSVWRELALASQA-RLAECLE	369
Db	343	GVATVLCDDLHLILPKRHHYKQKFKYAEDMGPAE-----RDLAATSSSTLGLQENMKT	398
Qy	370	S 370	
Db	399	S 399	

Search completed: August 19, 2005, 22:55:43
Job time : 162 secs

Result No.	Score	Query		Length	DB	ID	Description
		Match					
1	159	8.0	394	3	US-09-191-136-27	Sequence 27, Appl	
2	158.4	7.9	160	4	US-09-513-999C-22989	Sequence 22989, A	
3	115.4	5.8	52711	4	US-09-949-016-12224	Sequence 12224, A	
4	115.4	5.8	82865	4	US-09-949-016-15618	Sequence 15618, A	
5	115.4	5.8	72602	4	US-09-949-016-14385	Sequence 14385, A	
6	109.2	5.5	601	4	US-09-949-016-32130	Sequence 32130, A	
7	109.2	5.5	601	4	US-09-949-016-162086	Sequence 162086, A	
8	109.2	5.5	79350	4	US-09-949-016-12467	Sequence 12467, A	
9	109.2	5.5	79351	4	US-09-949-016-16275	Sequence 16275, A	
10	103.4	5.2	27630	4	US-09-949-016-12722	Sequence 12722, A	
11	101	5.1	601	4	US-09-949-016-32131	Sequence 32131, A	
12	101	5.1	601	4	US-09-949-016-162087	Sequence 162087, A	
13	99.2	5.0	61178	4	US-09-949-016-17369	Sequence 17369, A	
14	99	5.0	14241	4	US-09-949-016-13869	Sequence 13869, A	
15	98.8	4.9	24070	4	US-09-949-016-16153	Sequence 16153, A	
16	98.6	4.9	19145	4	US-09-949-016-12244	Sequence 12244, A	
17	98.6	4.9	19146	4	US-09-949-016-13941	Sequence 13941, A	
18	98.2	4.9	84870	4	US-09-949-016-17547	Sequence 17547, A	
19	98	4.9	601	4	US-09-949-016-86019	Sequence 86019, A	
20	97.6	4.9	54382	4	US-09-949-016-12139	Sequence 12139, A	
21	97.4	4.9	73295	4	US-09-949-016-15151	Sequence 15151, A	
22	97.2	4.9	53442	4	US-09-949-016-11921	Sequence 11921, A	
23	97.2	4.9	53453	4	US-09-949-016-13370	Sequence 13370, A	
24	97	4.9	84558	4	US-09-949-016-15752	Sequence 15752, A	
25	97	4.9	223471	4	US-09-949-016-12387	Sequence 12387, A	
26	97	4.9	223471	4	US-09-949-016-12724	Sequence 12724, A	
27	97	4.9	223471	4	US-09-949-016-13725	Sequence 12725, A	

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Db      181 CCA 183
||||
239  CAACCTGGGCAACATAGCGAGATATAAATAATTTAAATTAGCCAGATGTGGTAGCCC-- 296
|||
15630  CAGCCTGGGCAACATGGCAAGAAAAAATTTTAAATTAGCCAGGTATGTGGCATGT 15689
|||
297  -CCTGTAGTCTTCAGCGACTTCAGGAGCTTCAGGAGGCTCACCAGAGTGCAGAGTTCA 355
|||
15690  ACCTGTAGTCTTCAGTCTACTTGGAGGCTGAGCGAGAGATCTTGTAGGTGAGGAGTTTG 15749
|||
356  AGGATGCACTGAGCTATGATCTGCCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCC 415
|||
15750  AGGCTGCGAGGAGCTATGATCACACCACTGCACTCCAGCTGGGTGACAGAGCGAGATCC 15809
|||
416  TGGCTCTTAATAATGAATACATAAAAGTCTCACAGCTAGTGG 456
|||
15810  TTCTCAAAAATAATAATAAATAAAGGGTGATATGAGGTGG 15850
|||

RESULT 4
US-09-949-016-15618
; Sequence 15618, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15618
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15618

Query Match      5.8%; Score 115.4; DB 4; Length 52865;
Best Local Similarity 73.3%; Pred. No. 3.4e-20;
Matches 162; Conservative 0; Mismatches 56; Indels 3; Gaps 1;

QY      239  CAACCTGGGCAACATAGCGAGATATAAATAATTTAAATTAGCCAGATGTGGTAGCCC-- 296
|||
Db      15630  CAGCCTGGGCAACATGGCAAGAAAAAATTTTAAATTAGCCAGGTATGTGGCATGT 15689
|||
QY      297  -CCTGTAGTCTTCAGCGACTTCAGGAGGCTGAGCGAGGCTCACCAGAGTGCAGAGTTCA 355
|||
Db      15690  ACCTGTAGTCTTCAGTCTACTTGGAGGCTGAGCGAGAGATCTTGTAGGTGAGGAGTTTG 15749
|||
QY      356  AGGATGCACTGAGCTATGATCTGCCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCC 415
|||
Db      15750  AGGCTGCGAGGAGCTATGATCACACCACTGCACTCCAGCTGGGTGACAGAGCGAGATCC 15809
|||
QY      416  TGGCTCTTAATAATGAATACATAAAAGTCTCACAGCTAGTGG 456
|||
Db      15810  TTCTCAAAAATAATAATAAATAAAGGGTGATATGAGGTGG 15850
|||

RESULT 5
US-09-949-016-14385
; Sequence 14385, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
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Query Match
Best Local Similarity 5.8%; Score 115.4; DB 4; Length 72602;
Matches 162; Conservative 0; Mismatches 56; Indels 3; Gaps 1;
QY 239 CAACCTGGGCAACATAGCGAGATATAAAATTTTAAATTTAGCCAGATGTGGTAGCC-- 296
DB 35367 CAGCTGGGCAACATGCGAAGAAAAATTTTAAATTTAGCCAGATGTGGTAGCT 35426
QY 297 -CCTGTAGTCTAGCGACTCAGAGGCTGAGGAGGCTCACCAGTGCAGAGTTCA 355
DB 35427 ACCGTAGTCTAGCTACTTGAAGGCTGAGGAGGAGGATCTTGGAGTCTAGGAGTTTG 35486
QY 356 AGGATCAGTGTAGTATGATCTGCCACTGCACTGAAAGCTGGTGACAGCAAGACCC 415
DB 35487 AGCTCAGGAGTATGATCACACCTGCACTCAGCTGGGTGACAGCGAGATCC 35546
QY 416 TGCTCTAATAATGAATACATAAAGTCTCACAGCTAGTGG 456
DB 35547 TTCTCAAAATAATAATAAAGGTGATAGTGG 35587

RESULT 6
US-09-949-016-32130/c
; Sequence 32130, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 32130
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-32130

Query Match
Best Local Similarity 5.5%; Score 109.2; DB 4; Length 601;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 263 AAAAAATTTTAAATTTAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGC 322
DB 384 AAAAAATTTTAAATTTAGCCAGGATGTGGTAGCTGTAGTCTCAGGAGC 325
QY 323 TGAGGAGGAGGCTCAGCGAGTTCAGGATCAGTGCAGTATGATCTCTGCCA 382
DB 324 TGAGGAGTATGATCTTGGAGGAGTTCAGGAGTTCAGGAGTATGATCTCTGCCA 265

QY 383 CTGCACTGAAGCTGGTGACAGCAAGACCCCTGGCTCTATAAATGAATACATAAAGT 442
DB 264 CTGCACTGAAGCTGGTGACAGCAAGACCCCTGGCTCTATAAATGAATACATAAAGT 205
QY 443 CTCACA 448
DB 204 TTAATAA 199

RESULT 7
US-09-949-016-162086/c
; Sequence 162086, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 162086
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-162086

Query Match
Best Local Similarity 5.5%; Score 109.2; DB 4; Length 601;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;
QY 263 AAAAAATTTTAAATTTAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGC 322
DB 384 AAAAAATTTTAAATTTAGCCAGGATGTGGTAGCTGTAGTCTCAGGAGC 325
QY 323 TGAGGAGGAGGCTCAGCGAGTTCAGGATCAGTGCAGTATGATCTCTGCCA 382
DB 324 TGAGGAGTATGATCTTGGAGGAGTTCAGGAGTTCAGGAGTATGATCTCTGCCA 265
QY 383 CTGCACTGAAGCTGGTGACAGCAAGACCCCTGGCTCTATAAATGAATACATAAAGT 442
DB 264 CTGCACTGAAGCTGGTGACAGCAAGACCCCTGGCTCTATAAATGAATACATAAAGT 205
QY 443 CTCACA 448
DB 204 TTAATAA 199

RESULT 8
US-09-949-016-12467/c
; Sequence 12467, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12467
; LENGTH: 79350
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(79350)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-12467

Query Match 5.5%; Score 109.2; DB 4; Length 79350;
Best Local Similarity 74.2%; Pred. No. 1.9e-18;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 263 AAAAAATTATTTAAATAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGGC 322
|||||
Db 51310 AAAAAATTATTTAAATAGCCAGCATGGTGGTACCTGTAGTCCAGCTACTCAGGAGGC 51251
|||||

QY 323 TGAGGAGGAGGCTCACAGAGTGCAGAGTTCAAGATGCAGTGCAGTATGATCTCTGCCA 382
|||||
Db 51250 TGAGGAGTAGGATCACTTGAGCCAGGAGTTCAAGGCTGCAGTGCAGTATGATTTGCCA 51191
|||||

QY 383 CTGCACTGAAGCTGGTGCAGAGCAAGCCCTGCTCTAATAATGAATACATAAAGT 442
|||||
Db 51190 CTGCACTGAAGTCTAGGTGACTGAGAAAAACCTTGTCTCTTAAAAAATAAAAAATTAAAA 51131
|||||

QY 443 CTCACA 448
|||||
Db 51130 TTAATAA 51125
|||||

RESULT 9
US-09-949-016-16275/c
; Sequence 16275, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16275
; LENGTH: 79351
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc.feature
; LOCATION: (1)...(79351)
; OTHER INFORMATION: n = A,T,C or G
US-09-949-016-16275

Query Match 5.5%; Score 109.2; DB 4; Length 79351;
Best Local Similarity 74.2%; Pred. No. 1.9e-18;
Matches 138; Conservative 0; Mismatches 48; Indels 0; Gaps 0;

QY 263 AAAAAATTATTTAAATAGCCAGATGTGGTAGCCCTGTAGTCTCAGCGACTCAGGAGGC 322
|||||
Db 51310 AAAAAATTATTTAAATAGCCAGCATGGTGGTACCTGTAGTCCAGCTACTCAGGAGGC 51251
|||||

QY 323 TGAGGAGGAGGCTCACAGAGTGCAGAGTTCAAGATGCAGTGCAGTATGATCTCTGCCA 382
|||||
Db 51250 TGAGGAGTAGGATCACTTGAGCCAGGAGTTCAAGGCTGCAGTGCAGTATGATTTGCCA 51191
|||||

QY 383 CTGCACTGAAGCTGGTGCAGAGCAAGCCCTGCTCTAATAATGAATACATAAAGT 442
|||||
Db 51190 CTGCACTGAAGTCTAGGTGACTGAGAAAAACCTTGTCTCTTAAAAAATAAAAAATTAAAA 51131
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QY 443 CTCACA 448
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Db 51130 TTAATAA 51125
|||||

RESULT 10
US-09-949-016-12722/c
; Sequence 12722, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12722
; LENGTH: 27630
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12722

Query Match 5.2%; Score 103.4; DB 4; Length 27630;
Best Local Similarity 73.6%; Pred. No. 4.2e-17;
Matches 145; Conservative 0; Mismatches 51; Indels 1; Gaps 1;

QY 249 AACATAGCGAGATAAAAAATTATTAAATTAGCCAGATGTGGTAGCCCTGTAGTCTCA 308
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Db 9961 ACCATCTCTCAAAAAACAGTCTTTTAAATTAGTCAGGTGTGATGCACGCTGTAGTCTCA 9902
|||||

QY 309 GCGACTCAGGAGGCTGAGGAGGCTCACCAGATGC-AGAGTTCAAGATGCAGTGA 367
|||||
Db 9901 GCTACTCAGGGGGCTGAGGTGAGAGGATCGTTAAGCCCAAGAGTTCAAGGCTCAGTGA 9842
|||||

QY 368 GCTATGATCTGCCACTGCACCTGAAAGCTGGTGCAGAGCAAGACCTGGCTCTTAATA 427
|||||
Db 9841 GCTATGATCTGCCACTGCACCTCCAGCTCCAGCTGGTGCAGACAGACCTGTCTCAATA 9782
|||||

QY 428 ATGAATACATAAAGTCT 444
|||||
Db 9781 TGAATAACATAATATTT 9765
|||||

RESULT 11
US-09-949-016-32131/c
; Sequence 32131, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012


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Db      3061  CCAGTATGCAGAGGCTGAGGAGGAGGAGGCTTTGAGCCGAGGAAGTCGAGGCTGCAG 3002
QY      365   TGAGTATGATCTCCCACTGCACCTGAAAGCTGGGTGACAGAGCAAGACCCCTGGCTCTAA 424
Db      3001  TGAGCCGTGATCATGCCACTGCACCTCCAGCCTGGGTGACAGAGCAAGACTCTGCCATAAA 2942
QY      425   TAAATGAATACATAAAGTCTCACAGCT 451
Db      2941  TAAATAAATAAATAAATGCTGCGAGCT 2915
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RESULT 15
US-09-949-016-16153
; Sequence 16153, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 16153
; LENGTH: 24070
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-16153
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Query Match      4.9%; Score 98.8; DB 4; Length 24070;
Best Local Similarity 77.0%; Pred. No. 6.9e-16;
Matches 134; Conservative 0; Mismatches 37; Indels 3; Gaps 1;

QY      262  AAAAATTTATTAAATTAGCCAGATGTGTTAGCCC---CCTGTAGTCTCAGCGACTCAGG 318
Db      6435  AAATATAAATAAATTAGCTAGGTGTGGCGATGCCAGTGTCCAGCTACTCAGG 6494

QY      319  AGGCTGAGGCGAGGAGGCTCACAGAGTCAGAGTTCAAGGATGCGAGTGAGCTATGATCCT 378
Db      6495  AGGCTGAGGCGAGGAGGATCGCTGGAAACCAGGAGTTGAAGGCTGCGAGTGAGCCATGATCGT 6554

QY      379  GCCACTGCACCTGAAGCTGGGTGACAGAGCAAGACCCCTGGCTCTAATAAATGAA 432
Db      6555  GCTACTGCACCTCCAGCCTGGGTGACAGAGCAAGACTCTGTCTCAAAAAAAGAA 6608
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Job time : 335.226 secs

GenCore version 5.1.6
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OM nucleic - nucleic search, using sw model

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(without alignments)
11213.536 Million cell updates/sec

Title: US-09-820-095B-3_COPY_1_2000

Perfect score: 2000

Sequence: 1 tctccaaagtcctggtggtgc.....agtcggtgcagtgcca 2000

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 7316285 seqs, 3248459403 residues

Total number of hits satisfying chosen parameters: 14632570

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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- 3: /cgn2_6/ptodata/1/pubpna/US06_NEW_PUB.seq:*
- 4: /cgn2_6/ptodata/1/pubpna/US06_PUBCOMB.seq:*
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- 15: /cgn2_6/ptodata/1/pubpna/US10C_PUBCOMB.seq:*
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- 21: /cgn2_6/ptodata/1/pubpna/US10I_PUBCOMB.seq:*
- 22: /cgn2_6/ptodata/1/pubpna/US10_NEW_PUB.seq:*
- 23: /cgn2_6/ptodata/1/pubpna/US11A_PUBCOMB.seq:*
- 24: /cgn2_6/ptodata/1/pubpna/US11_NEW_PUB.seq:*
- 25: /cgn2_6/ptodata/1/pubpna/US60_NEW_PUB.seq:*
- 26: /cgn2_6/ptodata/1/pubpna/US60_PUBCOMB.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score-distribution.

SUMMARIES

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1	2000	100.0	16449	US-09-820-095-3	Sequence 3, Appli
2	1902.2	95.1	1938	US-10-027-632-98169	Sequence 98169, A
3	1902.2	95.1	1938	US-10-027-632-98170	Sequence 98170, A
4	1902.2	95.1	1938	US-10-027-632-98169	Sequence 98169, A
5	1902.2	95.1	1938	US-10-027-632-98170	Sequence 98170, A
6	597.6	29.9	598	US-10-027-632-41182	Sequence 41182, A
7	597.6	29.9	598	US-10-027-632-41182	Sequence 41182, A

c 8	563	28.1	563	9	US-09-864-761-9542	Sequence 9542, Ap
c 9	554	27.7	554	9	US-09-864-761-9446	Sequence 9446, Ap
c 10	458.4	22.9	1904	17	US-10-094-749-1376	Sequence 1376, Ap
c 11	383.2	19.2	508	16	US-10-029-386-6681	Sequence 6681, Ap
c 12	139	7.0	139	9	US-09-864-761-25935	Sequence 25935, A
c 13	138.4	6.9	556	16	US-10-029-386-20399	Sequence 20399, A
c 14	108.2	5.4	51289	19	US-10-322-281-648	Sequence 648, App
c 15	103.2	5.2	88191	9	US-09-799-799-3	Sequence 3, Appli
c 16	102.2	5.1	1906	17	US-10-027-632-97426	Sequence 97426, A
c 17	102.2	5.1	1906	17	US-10-027-632-97426	Sequence 97426, A
c 18	102	5.1	304905	18	US-10-271-416-1	Sequence 1, Appli
c 19	101.8	5.1	75007	21	US-10-741-600-17556	Sequence 17556, A
c 20	101.4	5.1	75007	19	US-10-741-601-5612	Sequence 5612, A
c 21	101	5.1	18476	22	US-10-737-082-109	Sequence 109, App
c 22	101	5.1	18476	22	US-10-765-790-109	Sequence 109, App
c 23	99.8	5.0	474	13	US-10-027-632-56725	Sequence 56725, A
c 24	99.8	5.0	474	13	US-10-027-632-312323	Sequence 312323, A
c 25	99.8	5.0	474	17	US-10-027-632-56725	Sequence 56725, A
c 26	99.8	5.0	474	17	US-10-027-632-312323	Sequence 312323, A
c 27	99.8	5.0	867	13	US-10-027-632-3763	Sequence 3763, Ap
c 28	99.8	5.0	867	17	US-10-087-192-1678	Sequence 1678, Ap
c 29	99	5.0	125534	13	US-10-087-192-1678	Sequence 1678, Ap
c 30	98.2	4.9	333811	21	US-10-741-600-17681	Sequence 17681, A
c 31	97.8	4.9	148935	21	US-10-741-600-17708	Sequence 17708, A
c 32	97.4	4.9	602	10	US-09-764-891-9533	Sequence 9533, Ap
c 33	97.4	4.9	53000	10	US-09-953-611-10	Sequence 10, Appl
c 34	97.4	4.9	95960	13	US-10-087-192-1384	Sequence 1384, Ap
c 35	97.4	4.9	95960	13	US-10-087-192-1390	Sequence 1390, Ap
c 36	97.2	4.9	12198	20	US-10-719-993-6941	Sequence 6941, Ap
c 37	97.2	4.9	12198	21	US-10-741-600-17863	Sequence 17863, A
c 38	97.2	4.9	32190	9	US-09-764-869-2209	Sequence 2209, Ap
c 39	97.2	4.9	32190	14	US-10-091-504-2209	Sequence 2209, Ap
c 40	97.2	4.9	32190	17	US-10-227-577-2209	Sequence 2209, Ap
c 41	97.2	4.9	53779	22	US-10-737-082-85	Sequence 85, Appl
c 42	97.2	4.9	53779	22	US-10-765-790-85	Sequence 85, Appl
c 43	97	4.9	235070	13	US-10-087-192-1990	Sequence 1990, Ap
c 44	96.8	4.8	572	13	US-10-027-632-203457	Sequence 203457, A
c 45	96.8	4.8	572	13	US-10-027-632-203458	Sequence 203458, A

ALIGNMENTS

RESULT 1

US-09-820-095-3
; Sequence 3, Application US/09820095
; Publication No. US20030233668A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CLO01202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16449
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-3

Query Match	100.0%	Score	2000	DB	10	Length	16449
Best Local Similarity	100.0%	Pred. No.	0	Mismatches	0	Indels	0
Matches	2000	Conservative	0	0	0	Gaps	0
QY	1	TCCTCAAGTCCATGGGTGCTGGTAGGAGACAGGGGGATGATGTGAACCCCTGATGCG	60				
Db	1	TCCTCAAGTCCATGGGTGCTGGTAGGAGACAGGGGGATGATGTGAACCCCTGATGCG	60				
QY	61	TATAGCCACCTGCGCTCTCCCTCCCTGCGCATCACTACCTGCGCTATTTTTCCTCTAG	120				

Db 61 TATAGCCACTGCTCCCTCCCTGCGCTGCATCACTACCTGGCTATTTTTGGCTCTAG 120
Qy 121 AAGCACTGCTTCTATGCTCTCTTTAGAACCACTGCGCATATGACAGATGAAGAACATCGA 180
Db 121 AAGCACTGCTTCTATGCTCTCTTTAGAACCACTGCGCATATGACAGATGAAGAACATCGA 180
Qy 181 GGTAAAGGCAACGCAATCTTTTCTTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Db 181 GGTAAAGGCAACGCAATCTTTTCTTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Qy 241 ACCTGGGCAACATAGCGAGATAAAATTTATTTAAATTAGCCAGATGTGTAGCCCTCG 300
Db 241 ACCTGGGCAACATAGCGAGATAAAATTTATTTAAATTAGCCAGATGTGTAGCCCTCG 300
Qy 301 TAGTCTCAGCGACTCAGGAGCTGAGGCAAGAGGCTCACAGAGTCAGAGTTCGAAGAT 360
Db 301 TAGTCTCAGCGACTCAGGAGCTGAGGCAAGAGGCTCACAGAGTCAGAGTTCGAAGAT 360
Qy 361 GCAGTGAAGTATGATCTGCGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db 361 GCAGTGAAGTATGATCTGCGCACTGCACTGAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Qy 421 CTAAATAAGTAAATGCAATAAATGCACTAGTGTAGTCTAATCTGCGCAGAGTCAGGC 480
Db 421 CTAAATAAGTAAATGCAATAAATGCACTAGTGTAGTCTAATCTGCGCAGAGTCAGGC 480
Qy 481 CTCTACTGCTGATGACAAATGGCACTATGCTTTTAACTGATTCAGACCAAAA 540
Db 481 CTCTACTGCTGATGACAAATGGCACTATGCTTTTAACTGATTCAGACCAAAA 540
Qy 541 TGTTTTGTGAATATTTTCCCGAGGAAACCGGAAGTAGTTCTAAATTTCTATACATCC 600
Db 541 TGTTTTGTGAATATTTTCCCGAGGAAACCGGAAGTAGTTCTAAATTTCTATACATCC 600
Qy 601 ATTATATTAGTTTACTGTGAGTGGGAAACCCAGCTCTGATTGCAATTCAGGCGGG 660
Db 601 ATTATATTAGTTTACTGTGAGTGGGAAACCCAGCTCTGATTGCAATTCAGGCGGG 660
Qy 661 ACAGCCTTTGGTGCATGCTGCGGGGATTTTCCATTTTAACTCTCTAGAGCGCT 720
Db 661 ACAGCCTTTGGTGCATGCTGCGGGGATTTTCCATTTTAACTCTCTAGAGCGCT 720
Qy 721 TCTCATGTTAAAGTTCTGATGCGGAGAGGCGCGAGAGAGGCGAGGCGGTGGAGA 780
Db 721 TCTCATGTTAAAGTTCTGATGCGGAGAGGCGCGAGAGAGGCGAGGCGGTGGAGA 780
Qy 781 CGCCCGCAGAGGCTACGTGCGCTGCTGACAGAGGTCTCTGCTCTCTCGCGCGCC 840
Db 781 CGCCCGCAGAGGCTACGTGCGCTGCTGACAGAGGTCTCTGCTCTCTCGCGCGCC 840
Qy 841 AGCCCACTCCCAACACCTCGCGGAGAGGCGCGAGAGGAGAGAGGCGCTGGCCC 900
Db 841 AGCCCACTCCCAACACCTCGCGGAGAGGCGCGAGAGGAGAGAGGCGCTGGCCC 900
Qy 901 CTGCGCGAGCAGCTTCCGCTCTAGGTGCGAGTCTGAATCGGCTTGGGACCTGCTTG 960
Db 901 CTGCGCGAGCAGCTTCCGCTCTAGGTGCGAGTCTGAATCGGCTTGGGACCTGCTTG 960
Qy 961 GCTTGGGAGCCCTGCAAGAGCTGCAAGGCGCGCTGCGCTCTCTCTCTCTCTTTTA 1020
Db 961 GCTTGGGAGCCCTGCAAGAGCTGCAAGGCGCGCTGCGCTCTCTCTCTCTCTTTTA 1020
Qy 1021 TCCTCCCAAGCTCTGGCAGGAAACCGCTCATCGTTACGCCCTTTTCGAGCCTCAGACC 1080
Db 1021 TCCTCCCAAGCTCTGGCAGGAAACCGCTCATCGTTACGCCCTTTTCGAGCCTCAGACC 1080
Qy 1081 CTGAGCGGAGACCGCTTGGCGCTCACTTAGAGCGGACCGGAGATGCGCGAGTC 1140
Db 1081 CTGAGCGGAGACCGCTTGGCGCTCACTTAGAGCGGACCGGAGATGCGCGAGTC 1140
Qy 1141 TGGCGTGCCTGACCAATCGAGTGTGGGTTCATCGACTGCGGTCTGCGACGGCAATTA 1200
Db 1141 TGGCGTGCCTGACCAATCGAGTGTGGGTTCATCGACTGCGGTCTGCGACGGCAATTA 1200

Qy 1201 GCGACGCGCTCCCGCGCGGCTGCGCCCGCGCAACCCAGTGTGTAGGTGCGGTAGAAA 1260
Db 1201 GCGACGCGCTCCCGCGCGGCTGCGCCCGCGCAACCCAGTGTGTAGGTGCGGTAGAAA 1260
Qy 1261 CGGTGGCTCTCTGCGCTGAGGCTCTCGCCTGAGAGGATAAATGACGCGCCACGGGC 1320
Db 1261 CGGTGGCTCTCTGCGCTGAGGCTCTCGCCTGAGAGGATAAATGACGCGCCACGGGC 1320
Qy 1321 TATGCACTGGGCTGGGCGCTTTGTGGGCATCTCTCCCTGCTTCTTAGGGGTTCCAGCAT 1380
Db 1321 TATGCACTGGGCTGGGCGCTTTGTGGGCATCTCTCCCTGCTTCTTAGGGGTTCCAGCAT 1380
Qy 1381 GCGCCCTCTTCTGCTGGAACAGCGCTGATCCAGAGTCTGTGTGCTCTCATCTG 1440
Db 1381 GCGCCCTCTTCTGCTGGAACAGCGCTGATCCAGAGTCTGTGTGCTCTCATCTG 1440
Qy 1441 CACTGGGGAAGTGGCGGGGCGAGCTTTTCAGGAGGGCTGGGAACTTCGACAGCCAG 1500
Db 1441 CACTGGGGAAGTGGCGGGGCGAGCTTTTCAGGAGGGCTGGGAACTTCGACAGCCAG 1500
Qy 1501 GTCACTCTCTCACTCTGTGCTCTTAGTTATCTTGCATGCTCTGTCTTTGATACGCTG 1560
Db 1501 GTCACTCTCTCACTCTGTGCTCTTAGTTATCTTGCATGCTCTGTCTTTGATACGCTG 1560
Qy 1561 CTCTCTGCAACAGGAACTCCATCCCATCTTTGTCTGCTTGTGCAACTTCAGAAATCTG 1620
Db 1561 CTCTCTGCAACAGGAACTCCATCCCATCTTTGTCTGCTTGTGCAACTTCAGAAATCTG 1620
Qy 1621 CAAGGGTCAGCTTAGAGGTCACTTCTCCGGAAGCTTTCCTCAACACCTCCCGCCCTG 1680
Db 1621 CAAGGGTCAGCTTAGAGGTCACTTCTCCGGAAGCTTTCCTCAACACCTCCCGCCCTG 1680
Qy 1681 CTGCTGCTGCTCTCAGGCGCTCTCTCACAGCACTGATAACAGCTGTCTCGTCCACCT 1740
Db 1681 CTGCTGCTGCTCTCAGGCGCTCTCTCACAGCACTGATAACAGCTGTCTCGTCCACCT 1740
Qy 1741 CCCACCACTCCACTCTCCCAAGGAGTGAAGGCGCAGAGGCGAGGAGTGTGCTG 1800
Db 1741 CCCACCACTCCACTCTCCCAAGGAGTGAAGGCGCAGAGGCGAGGAGTGTGCTG 1800
Qy 1801 TGTCTCTGTGTCGCGGCGCCAGCAAGGAAATGTAGGAGGTGGGAGTGCAGGGCA 1860
Db 1801 TGTCTCTGTGTCGCGGCGCCAGCAAGGAAATGTAGGAGGTGGGAGTGCAGGGCA 1860
Qy 1861 GCTGGATTAGGGGTTAGGGCTGGGTGTTGGAGCTGGATCTGATCTCTTTAGTGG 1920
Db 1861 GCTGGATTAGGGGTTAGGGCTGGGTGTTGGAGCTGGATCTGATCTCTTTAGTGG 1920
Qy 1921 AAGTGTCTCTTAAACAGCACTGGGCTGGCTGGCTGGGCTGGGCTCTCTCTCTCTTC 1980
Db 1921 AAGTGTCTCTTAAACAGCACTGGGCTGGCTGGCTGGGCTGGGCTCTCTCTCTTC 1980
Qy 1981 AGCTGCGGCTGAGCTGCCA 2000
Db 1981 AGCTGCGGCTGAGCTGCCA 2000

RESULT 2

US-10-027-632-98169
; Sequence 98169, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; POLYMORPHISMS IN THE HUMAN GENOME
; FILE REFERENCE: 10827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; PRIOR FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20

;; PRIOR APPLICATION NUMBER: US 60/193,483
;; PRIOR FILING DATE: 2000-03-29
;; PRIOR APPLICATION NUMBER: US 60/185,218
;; PRIOR FILING DATE: 2000-02-24
;; PRIOR APPLICATION NUMBER: US 60/167,363
;; PRIOR FILING DATE: 1999-11-23
;; PRIOR APPLICATION NUMBER: US 60/156,358
;; PRIOR FILING DATE: 1999-09-28
;; PRIOR APPLICATION NUMBER: US 60/146,002
;; PRIOR FILING DATE: 1999-08-09
;; NUMBER OF SEQ ID NOS: 325720
;; SOFTWARE: PastSeq for Windows Version 4.0
;; SEQ ID NO 98169
;; LENGTH: 1938
;; TYPE: DNA
;; ORGANISM: Human
US-10-027-632-98169

Query Match 95.1%; Score 1902.2; DB 13; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;
QY 1 TCTCCAGTCCATGGGTCCTGCTAGGAGACAGGGGATGAATGTGAAACCCCTGCATGGC 60
DB 36 TCTCCAGTCCATGGGTCCTGCTAGGAGACAGGGGATGAATGTGAAACCCCTGCATGGC 95
QY 61 TATAGCACCTGCTCTCTCCCTCGCTGCTGATCACTACCTGCGCTATTTTTCCTCTAG 120
DB 96 TATAGCACCTGCTCTCTCCCTCGCTGCTGATCACTACCTGCGCTATTTTTCCTCTAG 155
QY 121 AAGCACTGCTCTGCTCTCTAGGACCACTGCGCGCATATGACAGATAAGAAATCGA 180
DB 156 AAGCACTGCTCTGCTCTCTAGGACCACTGCGCGCATATGACAGATAAGAAATCGA 215
QY 181 GGTAGGCAACCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAGCTGGACA 240
DB 216 GGTAGGCAACCAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAGCTGGACA 275
QY 241 ACCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTGTAGCCCTCG 300
DB 276 ACCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTGTAGCCCTCG 335
QY 301 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGCTCAACAGAGTCAGAGTTTCAAGGAT 360
DB 336 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGCTCAACAGAGTCAGAGTTTCAAGGAT 395
QY 361 GCAGTGAAGTATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
DB 396 GCAGTGAAGTATGATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 455
QY 421 CTAAATAAATGAATACATAAATGCTCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 480
DB 456 CTAAATAAATGAATACATAAATGCTCAGAGTGTGTGTGTGTGTGTGTGTGTGTGTGTGT 515
QY 481 CTCTACTGTGTGATGACAAATGGCACTATGCTTTTAACTGTATGAGTGTGAGACCAAAA 540
DB 516 CTCTACTGTGTGATGACAAATGGCACTATGCTTTTAACTGTATGAGTGTGAGACCAAAA 575
QY 541 TGTGTTGTGATATTTTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 600
DB 576 TGTGTTGTGATATTTTCCAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 635
QY 601 ATTATATTAGTTTACCTGTGATTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 660
DB 636 ATTATATTAGTTTACCTGTGATTTGGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 695
QY 661 ACAGCCTTTGGTGCATGCTGCTGGGAGATTTTCCATTTTAACTCTTCTAGAGGCTCT 720
DB 696 ACAGCCTTTGGTGCATGCTGCTGGGAGATTTTCCATTTTAACTCTTCTAGAGGCTCT 755
QY 721 TCTCATGTTAAATTTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
DB 756 TCTCATGTTAAATTTCTGATGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 815

QY 781 CGCCCCGAGAGGGCTACGTCCTGCTGGAAGAGGCTCTCTGCTCTCTCTCTCTCTCTCTCTCT 840
DB 816 CGCCCCGAGAGGGCTACGTCCTGCTGGAAGAGGCTCTCTGCTCTCTCTCTCTCTCTCTCTCT 875
QY 841 AGCCCACTCTCCCAAAACCCCTGCGGAGAAAGCCCCCAAGGGGAGGAGAGAGGGGCTGCCCC 900
DB 876 AGCCCACTCTCCCAAAACCCCTGCGGAGAAAGCCCCCAAGGGGAGGAGAGAGGGGCTGCCCC 935
QY 901 CTGCCCCGAGAGACCTTTCCCTCTCTAGGTCGGAGTCTGAATCGGCTTTGGGAGGAGGAGG 960
DB 936 CTGCCCCGAGAGACCTTTCCCTCTCTAGGTCGGAGTCTGAATCGGCTTTGGGAGGAGGAGG 995
QY 961 GCTTCGGGAGACCCCTGCAAGAGAGCTTCCACAGGGCGCGCTGCGCTCTCTCTCTCTCTCTCT 1020
DB 996 GCTTCGGGAGACCCCTGCAAGAGAGCTTCCACAGGGCGCGCTGCGCTCTCTCTCTCTCTCTCT 1055
QY 1021 TCTTCCCAAGAGCTCTGCGAGAGAACCGCTCATCTGTTTACGCCCCCTTTTCGAGGCTCAGACC 1080
DB 1056 TCTTCCCAAGAGCTCTGCGAGAGAACCGCTCATCTGTTTACGCCCCCTTTTCGAGGCTCAGACC 1115
QY 1081 CTGAGCGGAGAGCGCTTGGCGCTCCTTACGAGCGCGACCCGCGGATGTGGGCGGAGTC 1140
DB 1116 CTGAGCGGAGAGCGCTTGGCGCTCCTTACGAGCGCGACCCGCGGATGTGGGCGGAGTC 1175
QY 1141 TGCAGGCTGCGCTGACCAATCGAGTGTGGCTCATCTGAGTGTGGCTCTGCGACGGCAATTA 1200
DB 1176 TGCAGGCTGCGCTGACCAATCGAGTGTGGCTCATCTGAGTGTGGCTCTGCGACGGCAATTA 1235
QY 1201 GCGAGCGCTTCCCGCGCGCGCTGCGCGCAACCACTGCTGTGTAGTGTGGCTGTAGAAA 1260
DB 1236 GCGAGCGCTTCCCGCGCGCGCTGCGCGCAACCACTGCTGTGTAGTGTGGCTGTAGAAA 1295
QY 1261 CCGTGGCTCTCTGCGCTGAGGCTCTGCGCTGAGAGGATTAACCTGCAAGCGGCAAGGCG 1320
DB 1296 CCGTGGCTCTCTGCGCTGAGGCTCTGCGCTGAGAGGATTAACCTGCAAGCGGCAAGGCG 1355
QY 1321 TATGCACTGGGCTGCGCGCTTGTGGGCTCTCTCTGCTTCTCTAGGGGTTTCCAGCAT 1380
DB 1356 TATGCACTGGGCTGCGCGCTTGTGGGCTCTCTCTGCTTCTCTAGGGGTTTCCAGCAT 1415
QY 1381 CGCCCCCTTTCTGCTGAGACTGGGAAACAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1440
DB 1416 CGCCCCCTTTCTGCTGAGACTGGGAAACAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1475
QY 1441 CACTGGGAGAGTGGCGGGGCGAGCTTTTTCAGAGGGGCTTGGGAGTTCGAGAGGCGAG 1500
DB 1476 CACTGGGAGAGTGGCGGGGCGAGCTTTTTCAGAGGGGCTTGGGAGTTCGAGAGGCGAG 1535
QY 1501 GTCACTCTCTCACTCTGTCCTCTTAGTTATCTTGCTGCTCTGCTGCTCTGCTGCTGCTG 1560
DB 1536 GTCACTCTCTCACTCTGTCCTCTTAGTTATCTTGCTGCTCTGCTGCTCTGCTGCTGCTG 1595
QY 1561 CTCTCTGCAACAGAACTCTCATCCCATCTTTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1620
DB 1596 CTCTCTGCAACAGAACTCTCATCCCATCTTTTGTCTGCTGCTGCTGCTGCTGCTGCTGCTG 1655
QY 1621 CAAAGGTGAGTGTAGAGTCACTTTCTGCGGAGCTTTTCTCAACACCTCTCCCGGCTG 1680
DB 1656 CAAAGGTGAGTGTAGAGTCACTTTCTGCGGAGCTTTTCTCAACACCTCTCCCGGCTG 1715
QY 1681 CTG 1740
DB 1716 CTG 1775
QY 1741 CCACCACTCTCACTCTCCACCCAGGAGTGTAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1800
DB 1776 CCACCACTCTCACTCTCCACCCAGGAGTGTAGGCGGAGGAGGAGGAGGAGGAGGAGGAGGAG 1835
QY 1801 TGTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1860
DB 1836 TGTGTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 1895


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QY 1261 CCGTGGCTCTCCCTGCGCTGAGGCTCTCGCTGAGAGGATAAACTGACGCGCCACGGGC 1320
Db 1296 CCGTGGCTCTCCCTGCGCTGAGGCTCTCGCTGAGAGGATAAACTGACGCGCCACGGGC 1355
QY 1321 TATGCACTGGGCTGGGCGGCTCTGCGCATCCCTCCCTGCTCTAGGGGGTTCCAGCAT 1380
Db 1356 TATGCACTGGGCTGGGCGGCTCTGCGCATCCCTCCCTGCTCTAGGGGGTTCCAGCAT 1415
QY 1381 CGCCCCCTTTCTGTAATGGGAAACACGCTGACTCCAGGACTTGTGTGTCCTCACTG 1440
Db 1416 CGCCCCCTTTCTGTAATGGGAAACACGCTGACTCCAGGACTTGTGTGTCCTCACTG 1475
QY 1441 CACTGGGAGGTGGGCGGCGGAGCTTTTCAGAGGGCTGGGAACTTCGACAGCCAG 1500
Db 1476 CACTGGGAGGTGGGCGGCGGAGCTTTTCAGAGGGCTGGGAACTTCGACAGCCAG 1535
QY 1501 GTCAACCTCTCACTCTGTGCTCTTAGTTATCTTGATGCTCTGTGCTTTTGCATAGCTG 1560
Db 1536 GTCAACCTCTCACTCTGTGCTCTTAGTTATCTTGATGCTCTGTGCTTTTGCATAGCTG 1595
QY 1561 CTCCTCGACAGGAACCTCCATCCCATCTTTGTCTGTGCTGTCGAACTTCAGAAATCTG 1620
Db 1596 CTCCTCGACAGGAACCTCCATCCCATCTTTGTCTGTGCTGTCGAACTTCAGAAATCTG 1655
QY 1621 CAAGGCTGAGCTAGAGGCTCACTTCTCGGAGCTTCTCAACACCTCCCGCCCTG 1680
Db 1656 CAAGGCTGAGCTAGAGGCTCACTTCTCGGAGCTTCTCAACACCTCCCGCCCTG 1715
QY 1681 CTGCTGCTGCCCTCAGGCCCTCTCTCAAGCACTGATAACAGCTCTGCTCTCCACCCCT 1740
Db 1716 CTGCTGCTGCCCTCAGGCCCTCTCTCAAGCACTGATAACAGCTCTGCTCTCCACCCCT 1775
QY 1741 CCACCACTCCACTCCACCCAGGAAGTGAGGCGAGAGGCGAGGAGCTGCTGC 1800
Db 1776 CCACCACTCCACTCCACCCAGGAAGTGAGGCGAGAGGCGAGGAGCTGCTGC 1835
QY 1801 TGTTCCTGTCGCCAGGCGCCAGCAAGGAGTGTAGGAGGTTGGAGGTTGCAGGGCA 1860
Db 1836 TGTTCCTGTCGCCAGGCGCCAGCAAGGAGTGTAGGAGGTTGGAGGTTGCAGGGCA 1895
QY 1861 GCTGGATTAAGGGTTGAGGGCTGGGTGTTGGAGGCTGGATCT 1903
Db 1896 GCTGGATTAAGGGTTGAGGGCTGGGTGTTGGAGGCTGGATCT 1938
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RESULT 5
US-10-027-632-98170
; Sequence 98170, Application US/10027632
; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 98170
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; LENGTH: 1938
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-98170

Query Match          95.1%; Score 1902.2; DB 17; Length 1938;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 1901; Conservative 2; Mismatches 0; Indels 0; Gaps 0;

QY 1 TCTCAAAGTCCATGGGTGCTGTAGGAGACAGAGGGGATGAATGTGAACCCCTGCAATGC 60
Db 36 TCTCAAAGTCCATGGGTGCTGTAGGAGACAGAGGGGATGAATGTGAACCCCTGCAATGC 95
QY 61 TATAGGCACCTGCTCCCTCCCTGCGCTGCACTACCTGCGCTATTTTTTGGCTCTTAG 120
Db 96 TATAGGCACCTGCTCCCTCCCTGCGCTGCACTACCTGCGCTATTTTTTGGCTCTTAG 155
QY 121 AAGCACTGCTCTATGCTCTTAGGACCACTGCCGCATATGACAGATAAGAAACATCGA 180
Db 156 AAGCACTGCTCTATGCTCTTAGGACCACTGCCGCATATGACAGATAAGAAACATCGA 215
QY 181 GGCTAAGGCAACGCAAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 240
Db 216 GGCTAAGGCAACGCAAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCTGGACA 275
QY 241 ACTGGGCAACATAGGAGATATAAAATTTATTTAAATTAGCCAGATGTGGTACCCCTG 300
Db 276 ACTGGGCAACATAGGAGATATAAAATTTATTTAAATTAGCCAGATGTGGTACCCCTG 335
QY 301 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGAGGCTCACAGAGTGCAGAGTTCAGAGAT 360
Db 336 TAGTCTCAGCGACTCAGGAGGCTGAGGAGGAGGCTCACAGAGTGCAGAGTTCAGAGAT 395
QY 361 CGAGTGAGCTATGATCTCTGCCACTGCACCTGAAAAGCTGGGTGACAGAGCAAGACCTGGCT 420
Db 396 CGAGTGAGCTATGATCTCTGCCACTGCACCTGAAAAGCTGGGTGACAGAGCAAGACCTGGCT 455
QY 421 CTAATAATGAATACATAAAGTCTCAGCTAGTGGTAGCTAATCTCTGCCAGAGTCAGGC 480
Db 456 CTAATAATGAATACATAAAGTCTCAGCTAGTGGTAGCTAATCTCTGCCAGAGTCAGGC 515
QY 481 CTCTACCTGCTGATGACAAATGGCACATATGCTTTTAACTGATTCAGACACACAAA 540
Db 516 CTCTACCTGCTGATGACAAATGGCACATATGCTTTTAACTGATTCAGACACACAAA 575
QY 541 TGTTTTGTGAATATTTTCCAGGGAAATAACCGGAAGTAGTTCTTAAATTTCTATACATCC 600
Db 576 TGTTTTGTGAATATTTTCCAGGGAAATAACCGGAAGTAGTTCTTAAATTTCTATACATCC 635
QY 601 ATTATATAGTTTACCTGTGATTTGGGAAAACCCAGCTCTGATTCATTTTCAGGGCGG 660
Db 636 ATTATATAGTTTACCTGTGATTTGGGAAAACCCAGCTCTGATTCATTTTCAGGGCGG 695
QY 661 ACAGCCTTTGGTGCACTGCTGCGGGATTTTCCATTTTAACTCTCTCTAGAAGCGCT 720
Db 696 ACAGCCTTTGGTGCACTGCTGCGGGATTTTCCATTTTAACTCTCTCTAGAAGCGCT 755
QY 721 TCTCATGTGTAAGTTCTGTATGCCGACAGAGCGCGGAGAGGAGGAGGAGGAGGAGGAG 780
Db 756 TCTCATGTGTAAGTTCTGTATGCCGACAGAGCGCGGAGAGGAGGAGGAGGAGGAGGAG 815
QY 781 CGCCCCGACAGAGGCTACGTGCGCTGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 840
Db 816 CGCCCCGACAGAGGCTACGTGCGCTGCGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGG 875
QY 841 AGCCCACTCTCCCAACACCCCTCGGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 900
Db 876 AGCCCACTCTCCCAACACCCCTCGGGAGAGGAGGAGGAGGAGGAGGAGGAGGAGGAGG 935
QY 901 CTGCCCCGAGCACTTCCGTCTCTAGGTGCGAGTCTGAATCGGCCCTTGGGACCTGCTTG 960
Db 936 CTGCCCCGAGCACTTCCGTCTCTAGGTGCGAGTCTGAATCGGCCCTTGGGACCTGCTTG 995
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Qy 961 GCTTCGGGAGCCCTGCAAGACGTCACAGCCCGCTGCTCTTCTCTCTGCTTTTA 1020
Db 996 GCTTCGGGAGCCCTGCAAGACGTCACAGCCCGCTGCTCTTCTCTCTGCTTTTA 1055
Qy 1021 TCCTCCCGACAGCTCTGCGAGGAAACCGCTCATCGTTAGCCGCCCTTTGCGAGCCTCAGACC 1080
Db 1056 TCCTCCCGACAGCTCTGCGAGGAAACCGCTCATCGTTAGCCGCCCTTTGCGAGCCTCAGACC 1115
Qy 1081 CTGAGCGGAGAGCCGCTTGGCGCTCACTTAGAGCGCACCCGGGATGTGGCGGAGTC 1140
Db 1116 CTGAGCGGAGAGCCGCTTGGCGCTCACTTAGAGCGCACCCGGGATGTGGCGGAGTC 1175
Qy 1141 TGGCGCTGCGTGACCAATAGAGTGTGGCGTCCATCGACTGGCGTCTGCGACCGCAATTA 1200
Db 1176 TGGCGCTGCGTGACCAATAGAGTGTGGCGTCCATCGACTGGCGTCTGCGACCGCAATTA 1235
Qy 1201 GCGAGCGGCTCCCGCGGCGGTGCGCCCGGCAACCCAGTGCTGTAGGTTGCCGTAGAAA 1260
Db 1236 GCGAGCGGCTCCCGCGGCGGTGCGCCCGGCAACCCAGTGCTGTAGGTTGCCGTAGAAA 1295
Qy 1261 CCGTGGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAAACTGCACGCGCACGGGC 1320
Db 1296 CCGTGGGCTCTCTGCGCTGAGGCTCTCGCTGAGAGGATAAACTGCACGCGCACGGGC 1355
Qy 1321 TATGCACTGGGCTGGGCGCCTTGTGGGCATCTCTCCCTGCTTCTAGGGGGTTCCAGCAT 1380
Db 1356 TATGCACTGGGCTGGGCGCCTTGTGGGCATCTCTCCCTGCTTCTAGGGGGTTCCAGCAT 1415
Qy 1381 CGCCCCCTTTGTGGACTGGGAAACAGCGCTGACTCCAGGACTTGTGTGTCTCACTG 1440
Db 1416 CGCCCCCTTTGTGGACTGGGAAACAGCGCTGACTCCAGGACTTGTGTGTCTCACTG 1475
Qy 1441 CACTGGGAAAGTGGCGGGGCGAGCTTTTCAGAGGGGCTGGGAACTTCGCGAGAGCCAG 1500
Db 1476 CACTGGGAAAGTGGCGGGGCGAGCTTTTCAGAGGGGCTGGGAACTTCGCGAGAGCCAG 1535
Qy 1501 GTCAACCTCTCACTCTGTGGCTCTTAGTTATCTTGATGCTCTGGTCTTTTGCATACGCTG 1560
Db 1536 GTCAACCTCTCACTCTGTGGCTCTTAGTTATCTTGATGCTCTGGTCTTTTGCATACGCTG 1595
Qy 1561 CTCCTGCGACAGGAACCTCATCCCATCTTTGTCTGTCTGTCTGTCTGCAACTTCAGAAATCTG 1620
Db 1596 CTCCTGCGACAGGAACCTCATCCCATCTTTGTCTGTCTGTCTGTCTGCAACTTCAGAAATCTG 1655
Qy 1621 CAAGGTCAGCTTAGAGTCACTTTCTCCGAGAGCTTTCTCAACCCCTCCCGCCCTG 1680
Db 1656 CAAGGTCAGCTTAGAGTCACTTTCTCCGAGAGCTTTCTCAACCCCTCCCGCCCTG 1715
Qy 1681 CTGCTGCTGCCCTCAGGCCCTCTCTCAAGCACTGATTAACAGCTGTCCGTCTCCACCCCT 1740
Db 1716 CTGCTGCTGCCCTCAGGCCCTCTCTCAAGCACTGATTAACAGCTGTCCGTCTCCACCCCT 1775
Qy 1741 CCACCACTCTCACTCCCAACCCAGGAAGTGAGGCCAGAGGCGAGGACAGAGCTGTCTG 1800
Db 1776 CCACCACTCTCACTCCCAACCCAGGAAGTGAGGCCAGAGGCGAGGACAGAGCTGTCTG 1835
Qy 1801 TGTCTCTGTCTGCGCGGCGGCGAGCAAGGGAATGAGGAGGCTGGGAGGTCAGGGCA 1860
Db 1836 TGTCTCTGTCTGCGCGGCGGCGAGCAAGGGAATGAGGAGGCTGGGAGGTCAGGGCA 1895
Qy 1861 GCTGGGATTAGGGGTTGAGGGCTGGGTGTGTGGAGGCTGGATCT 1903
Db 1896 GCTGGGATTAGGGGTTGAGGGCTGGGTGTGTGGAGGCTGGATCT 1938
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RESULT 6

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US-10-027-632-41182
; Sequence 41182, Application US/10027632
; Publication No. US20020198371A1
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; TITLE OF INVENTION: Polymorphisms in the Human Genome
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; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/185,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41182
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
; US-10-027-632-41182
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Query Match 29.9%; Score 597.6; DB 13; Length 598;

Best Local Similarity 99.8%; Pred. No. 2.2e-173; Indels 0; Gaps 0;

Matches 597; Conservative 1; Mismatches 0;

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Qy 116 TCTAGAAGCACTGCTTCTCTATGCTCTTAGGACCACTGCCCGCATATGACAGATAAGAAC 175
Db 1 TCTAGAAGCACTGCTTCTCTATGCTCTTAGGACCACTGCCCGCATATGACAGATAAGAAC 60
Qy 176 ATCGAGGCTAAGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCTAAAGAAAGCT 235
Db 61 ATCGAGGCTAAGCAACGCAATCTTTTCTTAAAGTCATACAGCTGTCTAAAGAAAGCT 120
Qy 236 GGACAACTCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTGGTAGCC 295
Db 121 GGACAACTCTGGGCAACATAGCGAGATAAAATTTTAAATTTAGCCAGATGTGGTAGCC 180
Qy 296 CCCTGTAGTCTCAGCGACTCAGGAGCTCAGGAGGAGGCTCACAGAGTGCAGAGTTCA 355
Db 181 CCCTGTAGTCTCAGCGACTCAGGAGGCTCAGGAGGAGGCTCACAGAGTGCAGAGTTCA 240
Qy 356 AGATGCGAGTGAAGTATGATCTCCGCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 415
Db 241 AGATGCGAGTGAAGTATGATCTCCGCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 300
Qy 416 TGCTCTTAATAATGAATACATAAAGTCTCACAGCTAGTGGTAGCTAATCTCCAGAGT 475
Db 301 TGCTCTTAATAATGAATACATAAAGTCTCACAGCTAGTGGTAGCTAATCTCCAGAGT 360
Qy 476 CAGGCTCTACCTGTCTGATGACAAATGGCACACTATGTCTTTTAACTGATTCAGAGACC 535
Db 361 CAGGCTCTACCTGTCTGATGACAAATGGCACACTATGTCTTTTAACTGATTCAGAGACC 420
Qy 536 ACAATGTTTGTGAATATTTTCCCGAGGAAAAAACCAGAGTAGTCTTAAATTTCTATA 595
Db 421 ACAATGTTTGTGAATATTTTCCCGAGGAAAAAACCAGAGTAGTCTTAAATTTCTATA 480
Qy 596 CATCCATTATATTTAGTTTACCTGTGGATTTGGGAAAAACCAGCTCTGATTCGATTTTCAGG 655
Db 481 CATCCATTATATTTAGTTTACCTGTGGATTTGGGAAAAACCAGCTCTGATTCGATTTTCAGG 540
Qy 656 GCGGACAGCCTTTGGTGCACTGTCTGGCGGATTTTCCATTTTAACTCTCTCTAGA 713
Db 541 GCGGACAGCCTTTGGTGCACTGTCTGGCGGATTTTCCATTTTAACTCTCTCTAGA 598
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RESULT 7

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US-10-027-632-41182
; Sequence 41182, Application US/10027632
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; Publication No. US20030204075A9
; GENERAL INFORMATION:
; APPLICANT: Wang, David G.
; TITLE OF INVENTION: Identification and Mapping of Single Nucleotide
; FILE OF INVENTION: Polymorphisms in the Human Genome
; FILE REFERENCE: 108827.129
; CURRENT APPLICATION NUMBER: US/10/027,632
; CURRENT FILING DATE: 2002-04-30
; PRIOR APPLICATION NUMBER: US 60/218,006
; PRIOR FILING DATE: 2000-07-12
; PRIOR APPLICATION NUMBER: US 60/198,676
; PRIOR FILING DATE: 2000-04-20
; PRIOR APPLICATION NUMBER: US 60/193,483
; PRIOR FILING DATE: 2000-03-29
; PRIOR APPLICATION NUMBER: US 60/195,218
; PRIOR FILING DATE: 2000-02-24
; PRIOR APPLICATION NUMBER: US 60/167,363
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: US 60/156,358
; PRIOR FILING DATE: 1999-09-28
; PRIOR APPLICATION NUMBER: US 60/146,002
; PRIOR FILING DATE: 1999-08-09
; NUMBER OF SEQ ID NOS: 325720
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41182
; LENGTH: 598
; TYPE: DNA
; ORGANISM: Human
US-10-027-632-41182

Query Match          29.9%; Score 597.6; DB 17; Length 598;
Best Local Similarity 99.8%; Pred. No. 2.2e-173;
Matches 597; Conservative 1; Mismatches 0; Indels 0; Gaps 0;

QY 116 TCTAGAAGCACTGCTTCCCTATGCTCTTAGGACCACTGCCGCGATATGACAGATAAGAAC 175
Db 1 TCTAGAAGCACTGCTTCCCTATGCTCTTAGGACCACTGCCGCGATATGACAGATAAGAAC 60

QY 176 ATCGAGGCTAAGCGAAGCGAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCT 235
Db 61 ATCGAGGCTAAGCGAAGCGAAATCTTTTCTTAAAGTCATACAGCTGTCAAAAGAAAGCT 120

QY 236 GGACAACTGGGCAACATACAGAGATAAAATTTTAAATTTAGCCAGATGGTAGCC 295
Db 121 GGACAACTGGGCAACATACAGAGATAAAATTTTAAATTTAGCCAGATGGTAGCC 180

QY 296 CCCTGTAGTCTCAGCGACTCAGGAGGCTCAGGCGAGGCTCACCAGAGTGCAGAGTTCA 355
Db 181 CCCTGTAGTCTCAGCGACTCAGGAGGCTCAGGCGAGGCTCACCAGAGTGCAGAGTTCA 240

QY 356 AGGATGAGTGAGCTATGATCTCGCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 415
Db 241 AGGATGAGTGAGCTATGATCTCGCACTGCACTGAAAGCTGGGTGACAGAGCAAGCCC 300

QY 416 TGGCTCTTAATAATGAATACATAAAGCTCAGAGCTAGTGGTAGCTAATCCTGCCAGACT 475
Db 301 TGGCTCTTAATAATGAATACATAAAGCTCAGAGCTAGTGGTAGCTAATCCTGCCAGACT 360

QY 476 CAGGCTCTACCTGCTCTGATGACAAATGGCACACTATGCTTTTAACTGATTCAGAGCC 535
Db 361 CAGGCTCTACCTGCTCTGATGACAAATGGCACACTATGCTTTTAACTGATTCAGAGCC 420

QY 536 ACAAATGTTTTGTAATATTTTCCCGAGGAAAAAACCAGGAAGTAGTCTTAAATTTCTATA 595
Db 421 ACAAATGTTTTGTAATATTTTCCCGAGGAAAAAACCAGGAAGTAGTCTTAAATTTCTATA 480

QY 596 CATCCATTATATTAGTTTACCTGTGGATGGGAAACCCAGCTCTGATTCGATTTTCAGG 655
Db 481 CATCCATTATATTAGTTTACCTGTGGATGGGAAACCCAGCTCTGATTCGATTTTCAGG 540

QY 656 GCGGGACAGCCTTTGGTGCACTGCTCGGGGGATTTTCCATTTTAACTCTCTCTAGA 713
Db 541 GCGGGACAGCCTTTGGTGCACTGCTCGGGGGATTTTCCATTTTAACTCTCTCTAGA 598

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RESULT 8
US-09-864-761-9542/c
; Sequence 9542, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharron G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9542
; LENGTH: 563
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 12
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 10
; OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 14
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 6.7
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 11
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 13
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 6.7
; OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 18
US-09-864-761-9542

Query Match          28.1%; Score 563; DB 9; Length 563;
Best Local Similarity 100.0%; Pred. No. 1e-162;
Matches 563; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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US-09-864-761-25935

US-10-322-281-648
; Sequence 648, Application US/10322281
; Publication No. US20040126762A1
; GENERAL INFORMATION:

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; APPLICANT: David W. Morris
; APPLICANT: Marc S. Malandro
; TITLE OF INVENTION: Novel Compositions and Methods in Cancer
; FILE REFERENCE: 529452001000
; CURRENT APPLICATION NUMBER: US/10/322,281
; CURRENT FILING DATE: 2002-12-17
; NUMBER OF SEQ ID NOS: 866
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 648
; LENGTH: 51289
; TYPE: DNA
; ORGANISM: Homo sapiens
; US-10-322-281-648
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Query Match 5.4%; Score 108.2; DB 19; Length 51289;
Best Local Similarity 75.1%; Pred. No. 2.2e-21;
Matches 148; Conservative 0; Mismatches 48; Indels 1; Gaps 1;

QY 247 GCACATAGCGAGATAAATAATTATTAAATTAGCCAGATGTTGGTAGCCCTGTAGTCT 306
DB 18038 GCAAGACCCCGCTTTACAAAATAAATAATTAGCCAGGTGCACACACCTGTAGTCC 18097

QY 307 CAGCGACTCAGGAGGCTGAGGAGGCTCACCAGAGTGCA-GAGTTCAAGGATGCACT 365
DB 18098 CAGCTACTCGGAGGCTGAGGAGGAGATCACTTGAGCCAGGAGTTCAAGTTGCACT 18157

QY 366 GAGCTATGATCTGCCCACTGCACTGAAAGCTGGTGACAGAGCAAGACCTGGCTCTAAT 425
DB 18158 GGACTTTGATCATGCCACTGCCCTCCAGCCTGGTGAAAAAGCAAGACCTATCTCTAA 18217

QY 426 AATGAATACATAAAGT 442
DB 18218 GAATGATAATAAATAATT 18234
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RESULT 15
US-09-799-799-3
; Sequence 3, Application US/09799799
; Patent No. US20020132291A1
; GENERAL INFORMATION:
; APPLICANT: YE, Jane et al.
; TITLE OF INVENTION: ISOLATED HUMAN RAS-LIKE PROTEINS,
; TITLE OF INVENTION: NUCLEIC ACID MOLECULES ENCODING THESE HUMAN RAS-LIKE
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001157
; CURRENT APPLICATION NUMBER: US/09/799,799
; CURRENT FILING DATE: 2001-03-07
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 88191
; TYPE: DNA
; ORGANISM: Human
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(88191)
; OTHER INFORMATION: n = A,T,C or G
US-09-799-799-3
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Query Match 5.2%; Score 103.2; DB 9; Length 88191;
Best Local Similarity 69.8%; Pred. No. 9.8e-20;
Matches 155; Conservative 0; Mismatches 63; Indels 4; Gaps 1;

QY 223 TCAAAAGAAAGCTGGACAACTGGGCAACATAGCGAGATAAAAAATTATTTAAATTAGCC 282
DB 2226 TCAAGACCGAGCTGGGCAACATTGTGAATCTTGTCTGCAAAAATACACAAATAAGCC 2285

QY 283 AGAT----GTGGTAGCCCTGTAGTCTAGCGACTCAGGAGCTCAGGAGGAGGCTCA 338
DB 2286 AGGTGTGGTGGCATGGCTGTAGTCCAGCTACTCGGAGACTCGAGGTGGGAGGATTG 2345

QY 339 CCAGAGTGACAGAGTTCAAGGATCAGTGAGCTATGATCTGCCACTGCACTGAAAGCTGG 398
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Db 2346 CTTGAACCCAGAGGTTGAGGCTGCGAGCTGTGATTTGGCACTGCACTCTAGCCTGG 2405
QY 399 GTGACAGAGCAAGACCCCTGGCTCTTAATAATAATCAATACATAAA 440
DB 2406 GTGACAGAGCGAGACCCCTGTCTCAAAAAAATAATTAATTAATAA 2447

Search completed: August 21, 2005, 18:03:29
Job time : 1164.76 secs
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GenCore version 5.1.6
Copyright (c) 1993 - 2005 Compugen Ltd.

OM nucleic - nucleic search, using sw model

Run on: August 21, 2005, 15:11:34 ; Search time 165.779 Seconds
(without alignments)
9880.127 Million cell updates/sec

Title: US-09-820-095B-3_COPY_10000_11000

Perfect score: 1001

Sequence: 1 acacagtcaccttcagcaag.....tgggtttcaccaatgttgc 1001

Scoring table: IDENTITY NUC

Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2405568

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents NA:*

1: /cgn2_6/ptodata/1/ina/5A COMB.seq.*

2: /cgn2_6/ptodata/1/ina/5B COMB.seq.*

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4: /cgn2_6/ptodata/1/ina/6B COMB.seq.*

5: /cgn2_6/ptodata/1/ina/PCRTUS COMB.seq.*

6: /cgn2_6/ptodata/1/ina/backfileseq.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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C 2	162.4	16.2	601	4	US-09-949-016-143733, A
C 3	161.2	16.1	34725	4	US-09-949-016-15797, A
C 4	161.2	16.1	34765	4	US-09-949-016-12808, A
C 5	154.8	15.5	1293	3	US-09-381-681-1, Appli
C 6	154.8	15.5	1360	3	US-09-191-136-30
C 7	154.8	15.5	1697	3	US-09-381-681-2
C 8	153	15.3	128779	4	US-09-497-855A-38
C 9	151.4	15.1	601	4	US-09-949-016-81108, A
C 10	151.4	15.1	48994	4	US-09-949-016-14091, A
C 11	151.4	15.1	18572	4	US-09-949-016-17183, A
C 12	151.2	15.1	601	4	US-09-949-016-81110, A
C 13	151	15.1	26314	4	US-09-949-016-16389, A
C 14	150.8	15.1	325791	4	US-09-768-185A-1
C 15	150.6	15.0	325791	4	US-09-949-016-38772, A
C 16	150.4	15.0	601	4	US-09-949-016-143762, A
C 17	150.4	15.0	601	4	US-09-949-016-13987, A
C 18	150.4	15.0	6052	4	US-09-949-016-16199, A
C 19	150.4	15.0	22205	4	US-09-949-016-16284, A
C 20	150.4	15.0	29717	4	US-09-949-016-15797, A
C 21	150.4	15.0	34725	4	US-09-949-016-12808, A
C 22	150.4	15.0	34765	4	US-09-949-016-13964, A
C 23	150.4	15.0	46745	4	US-09-949-016-12423, A
C 24	150.4	15.0	60376	4	US-09-949-016-15494, A
C 25	150.4	15.0	183770	4	US-09-949-016-16197, A
C 26	150.2	15.0	53737	4	US-09-949-016-15238, A
C 27	150.2	15.0	143644	4	US-09-949-016-15238, A

28 150.2 15.0 187848 4 US-09-949-016-12111 Sequence 12111, A
C 29 150 601 4 US-09-949-016-159308 Sequence 159308, A
C 30 150 13204 4 US-09-054-272-49 Sequence 49, Appl
C 31 150 239527 4 US-09-949-016-15980 Sequence 15980, A
C 32 149.8 15.0 95318 4 US-09-949-016-11784 Sequence 11784, A
C 33 149.8 15.0 95318 4 US-09-949-016-13998 Sequence 13998, A
C 34 149.6 14.9 57978 4 US-09-949-016-16567 Sequence 16567, A
C 35 149.6 14.9 64024 4 US-09-949-016-17593 Sequence 17593, A
C 36 149.4 14.9 24663 4 US-09-949-016-14268 Sequence 14268, A
C 37 149.4 14.9 206433 4 US-09-949-016-13527 Sequence 13527, A
C 38 149.4 14.9 254778 4 US-09-949-016-12417 Sequence 12417, A
C 39 149.2 14.9 70000 3 US-09-851-896-3 Sequence 3, Appli
C 40 149.2 14.9 76399 4 US-09-949-016-16819 Sequence 16819, A
C 41 149.2 14.9 83210 4 US-09-949-016-14209 Sequence 14209, A
C 42 149.2 14.9 93778 4 US-09-949-016-15096 Sequence 15096, A
C 43 149.2 14.9 93894 4 US-09-949-016-13529 Sequence 13529, A
C 44 149.2 14.9 120727 4 US-09-949-016-15787 Sequence 15787, A
C 45 149.2 14.9 120727 4 US-09-949-016-15788 Sequence 15788, A

ALIGNMENTS

RESULT 1

US-09-949-016-38743/c

; Sequence 38743, Application US/09949016

; Patent No. 6812339

; GENERAL INFORMATION:

; APPLICANT: VENTER, J. Craig et al.

; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED

; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF

; FILE REFERENCE: CL001307

; CURRENT APPLICATION NUMBER: US/09/949,016

; PRIOR FILING DATE: 2000-04-14

; PRIOR APPLICATION NUMBER: 60/241,755

; PRIOR FILING DATE: 2000-10-20

; PRIOR APPLICATION NUMBER: 60/237,768

; PRIOR FILING DATE: 2000-10-03

; PRIOR APPLICATION NUMBER: 60/231,498

; PRIOR FILING DATE: 2000-09-08

; NUMBER OF SEQ ID NOS: 207012

; SOFTWARE: FastSEQ for Windows Version 4.0

; SEQ ID NO 38743

; LENGTH: 601

; TYPE: DNA

; ORGANISM: Human

US-09-949-016-38743

Query Match 16.2%; Score 162.4; DB 4; Length 601;
Best Local Similarity 81.3%; Pred. No. 1.2e-34;
Matches 187; Conservative 1; Mismatches 42; Indels 0; Gaps 0;

QY 772 TTCCCTTCTCCCTTCACTGTTGTTTTTTTTTTTAAAGACAGAAATCTCTGTGAC 831

Db 313 TGTCTGCT 254

QY 832 CCAGGCTGAGTGCAGTGCCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 891

Db 253 CCAGGCTGAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAGTGCAG 194

QY 892 CCGATTCT 951

Db 193 GCGATTCT 134

QY 952 AGCTAATTTTATTTTGTGTAGATAGAGATGGGTTTTTCAATGTGTC 1001

Db 133 GCGTAATTTTGTATTTTGTATGATGATGGGTTTTTCAATGTGTC 84

RESULT 2

US-09-949-016-143733/c

; Sequence 143733, Application US/09949016

; Patent No. 6812339

GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 143733
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-143733

Query Match 16.2%; Score 162.4; DB 4; Length 601;
Best Local Similarity 81.3%; Pred. No. 1.2e-34;
Matches 187; Conservative 1; Mismatches 42; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGAAATCTCATCTCTCAC 831
DB 313 TGCTGCTGCTCTCTTTTTTTTTTTTTTTTTTTTTTTTGAAGACAGAGTTTCACCTCTGTC 254
QY 832 CCAGGCTGGAGTGCAGTGGCCGACCTCGGCTCACTGTAACCTCTGCTTCTGGGTTCAA 891
DB 253 CCAGGCTGGAGTGCAGTGGCAGAGTCTCAGCTCACTGTAACCTCTACATCTCTGGGTTCAA 194
QY 892 CGAATTCCTCTCCTCAGCTCTCTGAGTAGCTGGAATTACAGGTGCTCGCCACTACTCCC 951
DB 193 GCGAATTCCTGCTCAGCTCCGAGTAGCTGGGATTACAGGCGCCGACACACGCGCC 134
QY 952 AGCTAATTTTATATTTTGGTAGATAGAGATGGTTTTTACAAATGTTGGC 1001
DB 133 GCGTAATTTTGTATTTTTTTTAGTAGAGATGGGATTTTACCATGTTGGC 84

RESULT 3
US-09-949-016-15797
; Sequence 15797, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 15797
; LENGTH: 34725
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-15797

Query Match 16.1%; Score 161.2; DB 4; Length 34725;
Best Local Similarity 81.3%; Pred. No. 1.7e-33;
Matches 187; Conservative 0; Mismatches 43; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGAAATCTCATCTCTCAC 831

DB 4879 TGCTGCTGCTCTCTTTTTTTTTTTTTTTTTTTTTTTTGAAGACAGAGTTTCACCTCTGTCG 4938
QY 832 CCAGGCTGGAGTGCAGTGGCCGACCTCGGCTCACTGTAACCTCTCTCTCTGGGTTCAA 891
DB 4939 CCAGGCTGGAGTGCAGTGGCAGAGTCTCAGCTCACTGTAACCTCTACATCTCTGGGTTCAA 4998
QY 892 CGAATTCCTCTCCTCAGCTCTCTGAGTAGCTGGAATTACAGGTGCTCGCCACTACTCCC 951
DB 4999 GCGAATTCCTGCTCAGCTCTCCGAGTAGCTGGGATTACAGGCGCCGACACACGCGCC 5058
QY 952 AGCTAATTTTATATTTTGGTAGATAGAGATGGTTTTTACAAATGTTGGC 1001
DB 5059 GCGTAATTTTGTATTTTTTTTAGTAGAGATGGGATTTTACCATGTTGGC 5108

RESULT 4
US-09-949-016-12808
; Sequence 12808, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12808
; LENGTH: 34765
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-12808

Query Match 16.1%; Score 161.2; DB 4; Length 34765;
Best Local Similarity 81.3%; Pred. No. 1.7e-33;
Matches 187; Conservative 0; Mismatches 43; Indels 0; Gaps 0;
QY 772 TTCCCTTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGAAATCTCATCTCTCAC 831
DB 4879 TGCTGCTGCTCTCTTTTTTTTTTTTTTTTTTTTTTTTGAAGACAGAGTTTCACCTCTGTCG 4938
QY 832 CCAGGCTGGAGTGCAGTGGCCGACCTCGGCTCACTGTAACCTCTCTCTGGGTTCAA 891
DB 4939 CCAGGCTGGAGTGCAGTGGCAGAGTCTCAGCTCACTGTAACCTCTACATCTCTGGGTTCAA 4998
QY 892 CGAATTCCTCTCCTCAGCTCTCTGAGTAGCTGGAATTACAGGTGCTCGCCACTACTCCC 951
DB 4999 GCGAATTCCTGCTCAGCTCTCCGAGTAGCTGGGATTACAGGCGCCGACACACGCGCC 5058
QY 952 AGCTAATTTTATATTTTGGTAGATAGAGATGGTTTTTACAAATGTTGGC 1001
DB 5059 GCGTAATTTTGTATTTTTTTTAGTAGAGATGGGATTTTACCATGTTGGC 5108

RESULT 5
US-09-381-681-1
; Sequence 1, Application US/09381681
; Patent No. 6255472
; GENERAL INFORMATION:
; APPLICANT: TAKINO, Takashi
; APPLICANT: NAKAMURA, Yusuke
; TITLE OF INVENTION: HUMAN GENES
; FILE REFERENCE: Q55876
; CURRENT APPLICATION NUMBER: US/09/381,681
; CURRENT FILING DATE: 2000-01-10
; EARLIER APPLICATION NUMBER: JPA 9-093044


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: : EARLIER FILING DATE: 1997-03-26
: : NUMBER OF SEQ ID NOS: 9
: : SOFTWARE: PatentIn Ver. 2.1
: : SEQ ID NO 1
: : LENGTH: 1293
: : TYPE: DNA
: : ORGANISM: Human
: : US-09-381-681-1

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Query Match	15.58;	Score 154.8;	DB 3;	Length 1293;
Best Local Similarity	71.08;	Pred. No. 2.1e-32;		
Matches 281;	Conservative 0;	Mismatches 22;	Indels 93;	Gaps 2;
Qy	107	CCAGGTCCAATGCTCTGGAGACCTGGGACCCACCTATTTTAAAGCACTGCGGCTATCAAC	166	
Db	605	CTAAGTCCAAATGCTCTGGAGACCTGGGACCCACCTATTTTAAAGCACTGCGGCTATCAAC	664	
Qy	167	CACAAATTACAGCCCTACTGTCTCCGCTGTTCGCGCATTTGGGACCTCTGTCGGCAAGGCTGGAG	226	
Db	665	CACAAATTACAGCCCTACTGTCTCCGCTGTTCGCGCATTTGGGACCTCTGTCGGCAAGGCTGGAG	724	
Qy	227	GGACCTTCGAGGAGCACTGGCGCTTGCTGTGTGGTCCCAAGTTGGGGGACAGGTTCTCTACAGG	286	
Db	725	GGACCTTCGAGGAGCACTGGCGTTGCT-----	749	
Qy	287	GCTCTGGGAGAGGGTCCCGGGCCACCCACCGGTGGAAAAGCTATGTGCTATGTGCAGGG	346	
Db	750	-----GGG	752	
Qy	347	TGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGCACTCTGGCTG	406	
Db	753	TGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGCACTCTGGCTG	812	
Qy	407	CTGGCTCTCACTACTCTCTCCAGCTGTCAGGAGAAGAGCTACAACCTTCAGGTTGAGGC-CCCA	465	
Db	813	CTGGCTCTCACTACTCTCTCCAGCTGTCAGGAGAAGAGCTACAACCTTCAGGACAGCCATCA	872	
Qy	466	CTGCTCCCACTGCCCCAGCTGCTGGGCCCATGCGCCT	501	
Db	873	CTGGTGGGAGCAACCGGGTGTGGAGGCCCGCACCT	908	

RESULT 6

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US-09-191-136-30
; Sequence 30, Application US/09191136B
; Patent No. 6214581
; GENERAL INFORMATION:
; APPLICANT: Abbott Laboratories
; APPLICANT: Lynch, Kevin J.
; APPLICANT: Burgard, Edward C.
; APPLICANT: Van Biesen, T.
; TITLE OF INVENTION: Nucleic Acids Encoding A Functional
; TITLE OF INVENTION: Human Purinoreceptor P2X3 and P2X6 And Methods Of Production
; TITLE OF INVENTION: And Use Thereof
; FILE REFERENCE: 6293.US.P1
; CURRENT APPLICATION NUMBER: US/09/191,136B
; CURRENT FILING DATE: 1998-11-13
; EARLIER APPLICATION NUMBER: US 09/008,526
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 09/008,185
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,298
; EARLIER FILING DATE: 1998-01-16
; EARLIER APPLICATION NUMBER: US 60/071,669
; EARLIER FILING DATE: 1998-01-16
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 30
; LENGTH: 1360
; TYPE: DNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Sequencing Primer (polynucleotide)

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Db 770 GGACCTTCGAGGACCTGGCGTTGCT----- 794
QY 287 GCTCTGGGAGAGGTCCCGGGCCCAACCCACCGGTGAAAGTATGTGCTATGTGAGG 346
Db 795 -----GGG 797
QY 347 TGGCTCTGTAGCATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 406
Db 798 TGGCTCTGTAGGCATCAGAGTTCACTGGGATTTGTGACCTGGACACCGGGGACTCTGGCTG 857
QY 407 CTGGCTCTACTACTCTCTTCAGCTGCAGGAGAGAGCTACAACCTTCAGGTGAGGC-CCCA 465
Db 858 CTGGCTCTACTACTCTCTTCAGCTGCAGGAGAGAGCTACAACCTTCAGGAGAGCCACTCA 917
QY 466 CTGCTCCCAAGTCCCGAGCTGCTGGGCCCATCGCCCT 501
Db 918 CTGGTGGGACCAACCGGTGTGGAGGCCCGCACCT 953

RESULT 8
US-09-497-855A-38
; Sequence 38, Application US/09497855A
; Patent No. 6605432
; GENERAL INFORMATION:
; APPLICANT: Huang, Tim
; TITLE OF INVENTION: HIGH-THROUGHPUT METHODS FOR DETECTING DNA METHYLATION
; FILE REFERENCE: UMO1523
; CURRENT APPLICATION NUMBER: US/09/497,855A
; CURRENT FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: 60/120,592
; PRIOR FILING DATE: 1999-02-18
; PRIOR APPLICATION NUMBER: 60/118,760
; PRIOR FILING DATE: 1999-02-05
; NUMBER OF SEQ ID NOS: 54
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 38
; LENGTH: 128779
; TYPE: DNA
; ORGANISM: Homo sapiens;
US-09-497-855A-38

Query Match 15.3%; Score 153; DB 4; Length 128779;
Best Local Similarity 77.2%; Pred. No. 5.5e-31;
Matches 186; Conservative 0; Mismatches 55; Indels 0; Gaps 0;

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Db 94246 TATAAATTATCTTTAAATTTTTTATTCTACTTTTTTTTTTTTTTTTGGAGACAAGAT 94305
QY 819 CTCATTTCTACCCAGGCTGGAGTGGAGTGGCCCGACCTCGGCTCACTGTAACTCTGC 878
Db 94306 CTTACTCTGTACCCAGGCTGGAGTGGCAATAGCGCATCTCGGCTCACTGCAACCTCTGC 94365
QY 879 TTCCTGGTTCAACCGATTCTCCTCTCAGCTCTGAGTAGCTGGAATTACAGTCT 938
Db 94366 CTCCAGGTTCAAGAGATTCTGTGCTCAGCTCCCGAGTAGCTGGATTACAGGACA 94425
QY 939 CGCCACTACTCCAGCTAAATTTTATTTTGTGTAGATAGAGTGGTTTTTCAATGTT 998
Db 94426 TGGCACCACGCCAGCTAAATTTTTTGTATTTTGTGTAGAGAGCGAGTTTCAACCATGCT 94485
QY 999 G 999
Db 94486 G 94486

RESULT 9
US-09-949-016-81108/c
; Sequence 81108, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
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; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81108
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81108

Query Match 15.1%; Score 151.4; DB 4; Length 601;
Best Local Similarity 79.7%; Pred. No. 1.2e-31;
Matches 192; Conservative 0; Mismatches 46; Indels 3; Gaps 1;

QY 761 TCATTTTACTTTCCCTTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGAATCT 820
Db 488 TCATTTCTTTCTCTCTCTCTGACCTATTTTATTTTATTTTATTTTGGAGACAGTCT 429
QY 821 CATTTGTCCACGAGCTGGAGTGGCGACCTCGGCTCACTGTAACCTCTGCTT 880
Db 428 CACTCTGTGGCCAGGCTAGAGTGGCGCATCTCGGCTCATTTGCAACCTCTGCTT 369
QY 881 CTTGGGTTCAACCGATTCTCTCTCAGCTTCTGAGTGGAGTGGAGTGGAGTGGAGTGG 940
Db 368 CCGGTGTTCAAGTGATTCTCTACCTCAGCTCCCGAGTAGCTGGGATTACAGGTGCCG 309
QY 941 CCACCTACTCCAGCTAAATTTTATTTTATTTTGTGTAGATAGAGTGGGTTTTCACAATGTTG 1000
Db 308 CCACCACRCCTGGCTAATTTTGTATTT---TCGGTAGAGACGGGTTTCACTATGTTGA 252
QY 1001 C 1001
Db 251 C 251

RESULT 10
US-09-949-016-81109/c
; Sequence 81109, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 81109
; LENGTH: 601
; TYPE: DNA
; ORGANISM: Human
US-09-949-016-81109

Query Match 15.1%; Score 151.4; DB 4; Length 601;
Best Local Similarity 79.7%; Pred. No. 1.2e-31;
Matches 192; Conservative 0; Mismatches 46; Indels 3; Gaps 1;

QY 761 TCATTTTACTTTCCCTTCTCCCTTCAGCTTTGTTTTTTTTTTTAAAGACAGAATCT 820
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OM nucleic - nucleic search, using sw model

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Gapop 10.0 , Gapext 1.0

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24: /cgn2_6/ptodata/1/pubpna/US10L_PUBCOMB.seq.*
25: /cgn2_6/ptodata/1/pubpna/US10M_PUBCOMB.seq.*
26: /cgn2_6/ptodata/1/pubpna/US10N_PUBCOMB.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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2	393	39.3	576	9	US-09-864-761-9249
3	364	36.4	440	9	US-09-864-761-2179
4	161.2	16.1	9131	21	US-10-656-029-83
5	161.2	16.1	10557	21	US-10-656-029-85
6	158.2	15.8	174448	13	US-10-087-192-148
7	156	15.6	98716	21	US-10-741-600-17754

8	155.8	15.6	301692	17	US-10-428-487-111	Sequence 11, Appl
9	155.8	15.6	310268	19	US-10-367-094-135	Sequence 195, App
10	155.6	15.5	63045	19	US-10-714-796-76	Sequence 76, Appl
11	155.6	15.5	63824	17	US-10-282-174-347	Sequence 347, App
12	155.6	15.5	63824	17	US-10-282-174-348	Sequence 348, App
13	155.6	15.5	63824	21	US-10-600-009-347	Sequence 347, App
14	155.6	15.5	63824	21	US-10-600-009-348	Sequence 348, App
15	155.6	15.5	153170	20	US-10-723-860-139	Sequence 199, App
16	155.6	15.5	153170	20	US-10-282-174-484	Sequence 484, App
17	155.6	15.5	202100	17	US-10-600-009-484	Sequence 484, App
18	155.2	15.5	471	20	US-10-357-930-63745	Sequence 61745, A
19	154.8	15.5	2693	10	US-09-820-095-1	Sequence 1, Appl
20	154	15.4	14804	21	US-10-741-600-17816	Sequence 17816, A
21	153.8	15.4	14176	9	US-09-764-864-1644	Sequence 1644, App
22	153.8	15.4	177531	21	US-10-484-577-660	Sequence 660, App
23	153.6	15.3	24210	20	US-10-719-993-6893	Sequence 6893, App
24	153.4	15.3	6248	17	US-10-242-355-705	Sequence 705, App
25	153	15.3	128779	15	US-10-081-327-38	Sequence 38, Appl
26	153	15.3	172984	21	US-10-484-577-661	Sequence 661, App
27	152.6	15.2	588	13	US-10-027-632-77218	Sequence 77218, A
28	152.6	15.2	588	13	US-10-027-632-300376	Sequence 300376, A
29	152.6	15.2	588	17	US-10-027-632-77218	Sequence 77218, A
30	152.6	15.2	588	17	US-10-027-632-300376	Sequence 300376, A
31	152.4	15.2	13904	20	US-10-719-993-6982	Sequence 6982, App
32	152.2	15.2	32221	9	US-09-764-878-377	Sequence 377, App
33	152.2	15.2	32221	14	US-10-079-854-377	Sequence 377, App
34	152	15.2	527	13	US-10-027-632-130193	Sequence 130193, A
35	152	15.2	527	17	US-10-027-632-130193	Sequence 130193, A
36	152	15.2	1364	13	US-10-027-632-253464	Sequence 253464, A
37	152	15.2	1364	13	US-10-027-632-253465	Sequence 253465, A
38	152	15.2	1364	17	US-10-027-632-253464	Sequence 253464, A
39	152	15.2	1364	17	US-10-027-632-253465	Sequence 253465, A
40	151.8	15.2	631	13	US-10-027-632-57903	Sequence 57903, A
41	151.8	15.2	631	13	US-10-027-632-79939	Sequence 79939, A
42	151.8	15.2	631	17	US-10-027-632-57903	Sequence 57903, A
43	151.8	15.2	631	17	US-10-027-632-79939	Sequence 79939, A
44	151.8	15.2	649	13	US-10-027-632-6071	Sequence 6071, App
45	151.8	15.2	649	17	US-10-027-632-6071	Sequence 6071, App

ALIGNMENTS

RESULT 1

US-09-820-095-3
; Sequence 3, Application US/09820095
; Publication No. US2003023368A1
; GENERAL INFORMATION:
; APPLICANT: WEI, Ming-Hui et al
; TITLE OF INVENTION: ISOLATED HUMAN G-PROTEIN COUPLED
; TITLE OF INVENTION: RECEPTORS, NUCLEIC ACID MOLECULES ENCODING HUMAN GPCR
; TITLE OF INVENTION: PROTEINS, AND USES THEREOF
; FILE REFERENCE: CL001202
; CURRENT APPLICATION NUMBER: US/09/820,095
; CURRENT FILING DATE: 2001-03-29
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 16449
; TYPE: DNA
; ORGANISM: Human
US-09-820-095-3

Query Match 100.0%; Score 1001; DB 10; Length 16449;
Best Local Similarity 100.0%; Pred. No. 2.8e-282;
Matches: 1001; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 ACACAGTCACCTTCAGCAAGTTCACTTCTTAAGTAAGCAGAGTGGGTCTCATCTGCCCC 60
DB 10000 ACACAGTCACCTTCAGCAAGTTCACTTCTTAAGTAAGCAGAGTGGGTCTCATCTGCCCC 10059
QY 61 CAAGACCTTCCTTGTCCTCCCTACCTCATCTGACCTTTCCTCCACCTCCTCCCAAGTGCATATGCC 120

Db 10060 CAAGACCTCTCTGTCCCTTACCTCATCTGACCTTTTCCACTCTCCAGGTCATGCCC 10119
QY 121 TTGGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGCTATGAACACAATTCAGCCCC 180
Db 10120 TTGGAGACCTGGAGACCCACCTATTTTAAGCACTGCGGCTATGAACACAATTCAGCCCC 10179
QY 181 TACTGTCCCGTGTTCGCGATTGGGACCTCGTGGCCAAAGCTGAGGGACCTTCGAGGAC 240
Db 10180 TACTGTCCCGTGTTCGCGATTGGGACCTCGTGGCCAAAGCTGAGGGACCTTCGAGGAC 10239
QY 241 CTGGCGTTGCTGTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGGCTCTGGAGAGGG 300
Db 10240 CTGGCGTTGCTGTGGGTCCCAAGTTGGGGGCAAGGTTCTTAGAGGCTCTGGAGAGGG 10299
QY 301 TCCCGGGCCCAACCAACCGGTGGAAGAGTATGTGCTATGTGCAAGGTGGCTCTGTAGGCA 360
Db 10300 TCCCGGGCCCAACCAACCGGTGGAAGAGTATGTGCTATGTGCAAGGTGGCTCTGTAGGCA 10359
QY 361 TCAGAGTTCACTGGGATTTGACCTGGACACCGGGGACTCTGGCTGTGGCTCACTACT 420
Db 10360 TCAGAGTTCACTGGGATTTGACCTGGACACCGGGGACTCTGGCTGTGGCTCACTACT 10419
QY 421 CTTTCAGCTGTCAGGAGAGAGCTACAACTTCAGGTGAGGCCCACTGTCTCCAGTGGCC 480
Db 10420 CTTTCAGCTGTCAGGAGAGAGCTACAACTTCAGGTGAGGCCCACTGTCTCCAGTGGCC 10479
QY 481 AGTGTGTGGGCCCACTGGCCCTCTCACTGTGGGGCCAGACAGACACACCCAGGCCAG 540
Db 10480 AGTGTGTGGGCCCACTGGCCCTCTCACTGTGGGGCCAGACAGACACACCCAGGCCAG 10539
QY 541 GCCTCTAGATATTTCCACTAGTGTGCAAGGGGTCCAGGAGCAGAGAGCTGTCTC 600
Db 10540 GCCTCTAGATATTTCCACTAGTGTGCAAGGGGTCCAGGAGCAGAGAGCTGTCTC 10599
QY 601 AACCCACATCTCTCCAGCACAGGCTCCGCTCTGCTGCCCAAGTCTCTGAGCCCTCCACCC 660
Db 10600 AACCCACATCTCTCCAGCACAGGCTCCGCTCTGCTGCCCAAGTCTCTGAGCCCTCCACCC 10659
QY 661 CATCTGTCCAGGCCCTGCGCCAGCTCAGCTCAGCTCTCACTGCCAGCCCTTCTCCACCCCA 720
Db 10660 CATCTGTCCAGGCCCTGCGCCAGCTCAGCTCAGCTCTCACTGCCAGCCCTTCTCCACCCCA 10719
QY 721 CCTCGCTCTAGTATCTCCCTCCAGCAATGGGGTGTTCATTTTACTTTTCCCTTC 780
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QY 781 TCCCTTTCAGCTTGTGTTTTTTTTTTTTTTTTTAAAGACAGAACTCATCTGTCAACCAGGCTGG 840
Db 10780 TCCCTTTCAGCTTGTGTTTTTTTTTTTTTTTTTAAAGACAGAACTCATCTGTCAACCAGGCTGG 10839
QY 841 AGTGCAGTGGCCGACCTCGGCTCACTGTAACCTCTGCTTCTGCTTCCGGTTCAACCGATTCTC 900
Db 10840 AGTGCAGTGGCCGACCTCGGCTCACTGTAACCTCTGCTTCTGCTTCCGGTTCAACCGATTCTC 10899
QY 901 CTTCTCAGCCCTCTGAGTGTGGAATTACAGTGTCTGCCACTACTCCGAGCTAATTT 960
Db 10900 CTTCTCAGCCCTCTGAGTGTGGAATTACAGTGTCTGCCACTACTCCGAGCTAATTT 10959
QY 961 TTATATTTTGGTAGATAGATGGGTTTTTACAAATGTGGC 1001
Db 10960 TTATATTTTGGTAGATAGATGGGTTTTTACAAATGTGGC 11000

RESULT 2

US-09-864-761-9249/c
; Sequence 9249, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR

; TITLE OF INVENTION: GENE EXPRESSION ANALYSIS BY MICROARRAY
; FILE REFERENCE: Aeomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 9249
; LENGTH: 576
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: MAP TO AC002472.3
; OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 1.9
; OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 1.4
; OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 1.6
; OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 1.5
; OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 4.1
US-09-864-761-9249

Query Match 39.3%; Score 393; DB 9; Length 576;
Best Local Similarity 100.0%; Pred. No. 1.3e-104;
Matches 393; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 ACACAGTCACTTTCAGCAAGTTCAACTTCTCTAAGTAAGCAGAGTGGGTCTCATCTGCCCC 60
Db 393 ACACAGTCACTTTCAGCAAGTTCAACTTCTCTAAGTAAGCAGAGTGGGTCTCATCTGCCCC 334
QY 61 CAAGACCTCTCTGTCCCTACTCATCTGACCTTTCCACCTCTCCAGGTCCTAATGCC 120
Db 333 CAAGACCTCTCTGTCCCTACTCATCTGACCTTTCCACCTCTCCAGGTCCTAATGCC 274
QY 121 TTGGAGACTGGGACCCCACTTATTTTAAGCACTCCCGCTATGAACCAATTCAGCCCC 180
Db 273 TTGGAGACTGGGACCCCACTTATTTTAAGCACTCCCGCTATGAACCAATTCAGCCCC 214
QY 181 TACTGTCCCGTGTTCGCGATTGGGGACCTCTGTCGCGCAAGGCTGGAGGGACCTTCGAGGAC 240

Db 213 TACTGTCCTCCGTTTCCCAATTTGGGACCTCGTGGCCCAAGGCTGAGGAGCCTTCGAGGAC 154
Qy 241 CTGGCGTTGCTGGTGGTCCCAAGTTGGGGGCGAGGGTTCTTAGAGGCTCTGGGAGAGGG 300
Db 153 CTGGCGTTGCTGGTGGTCCCAAGTTGGGGGCGAGGGTTCTTAGAGGCTCTGGGAGAGGG 94
Qy 301 TCCGGGGCCACCCACCGGTGGAAAGCTATGTGCTATGTGCAAGGTTGGTCTGTAGGCA 360
Db 93 TCCGGGGCCACCCACCGGTGGAAAGCTATGTGCTATGTGCAAGGTTGGTCTGTAGGCA 34
Qy 361 TCAGAGTTCACTGGGATTTGACCTGGACACCG 393
Db 33 TCAGAGTTCACTGGGATTTGACCTGGACACCG 1

RESULT 3

US-09-864-761-2179/c
; Sequence 2179, Application US/09864761
; Patent No. US20020048763A1
; GENERAL INFORMATION:
; APPLICANT: Penn, Sharon G.
; APPLICANT: Rank, David R.
; APPLICANT: Hanzel, David K.
; APPLICANT: Chen, Wensheng
; TITLE OF INVENTION: HUMAN GENOME-DERIVED SINGLE EXON NUCLEIC ACID PROBES USEFUL FOR
; FILE REFERENCE: Aecomica-X-1
; CURRENT APPLICATION NUMBER: US/09/864,761
; CURRENT FILING DATE: 2001-05-23
; PRIOR APPLICATION NUMBER: US 60/180,312
; PRIOR FILING DATE: 2000-02-04
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 09/632,366
; PRIOR FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: GB 24263.6
; PRIOR FILING DATE: 2000-10-04
; PRIOR APPLICATION NUMBER: US 60/236,359
; PRIOR FILING DATE: 2000-09-27
; PRIOR APPLICATION NUMBER: PCT/US01/00666
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00667
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00664
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00669
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00665
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00668
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00663
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00662
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00661
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/US01/00670
; PRIOR FILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR FILING DATE: 2000-09-21
; PRIOR APPLICATION NUMBER: US 09/608,408
; PRIOR FILING DATE: 2000-06-30
; PRIOR APPLICATION NUMBER: US 09/774,203
; PRIOR FILING DATE: 2001-01-29
; NUMBER OF SEQ ID NOS: 49117
; SOFTWARE: Annonomax Sequence Listing Engine vers. 1.1
; SEQ ID NO 2179

LENGTH: 440

TYPE: DNA

ORGANISM: Homo sapiens

FEATURE:

OTHER INFORMATION: MAP TO AC002472.3
OTHER INFORMATION: EXPRESSED IN HELA, SIGNAL = 4.9
OTHER INFORMATION: EXPRESSED IN PLACENTA, SIGNAL = 6
OTHER INFORMATION: EXPRESSED IN HBL100, SIGNAL = 5
OTHER INFORMATION: EXPRESSED IN HEART, SIGNAL = 6.2
OTHER INFORMATION: EXPRESSED IN BONE MARROW, SIGNAL = 3.6
OTHER INFORMATION: EXPRESSED IN LUNG, SIGNAL = 3.5
OTHER INFORMATION: EXPRESSED IN BRAIN, SIGNAL = 4.4
OTHER INFORMATION: EXPRESSED IN ADULT LIVER, SIGNAL = 4.4
OTHER INFORMATION: EXPRESSED IN BT474, SIGNAL = 3.6
OTHER INFORMATION: EXPRESSED IN FETAL LIVER, SIGNAL = 3.7
US-09-864-761-2179

Query Match 36.4%; Score 364; DB 9; Length 440;

Best Local Similarity 100.0%; Pred. No. 3.7e-96;

Matches 364; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCCCC 60

Db 364 ACACAGTCACCTTCAGCAAGTTCAACTTCTTAAGTAAGCAGAGTGGTCTCATCTGCCCC 305

Qy 61 CAAGACCTCTCTGTGCTCCCTACCTCATCTGACCTTTCCCACTCTCCCAAGTCCCAATGCC 120

Db 304 CAAGACCTCTCTGTGCTCCCTACCTCATCTGACCTTTCCCACTCTCCCAAGTCCCAATGCC 245

Qy 121 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGCGCTATGAACCAACAATTCAGCCCC 180

Db 244 TTGGAGACCTGGGACCCCACTTATTTAAGCACTGCGCTATGAACCAACAATTCAGCCCC 185

Qy 181 TACTGTCCCGTGTTCGGCATTTGGGACCTCTGGGCAAGTCTCTAGAGGCTCTGGGAGAGGG 240

Db 184 TACTGTCCCGTGTTCGGCATTTGGGACCTCTGGGCAAGTCTCTAGAGGCTCTGGGAGAGGG 125

Qy 241 CTGGCGTTGCTGGTGGTCCCAAGTTGGGGGCGAGGGTTCTAGAGGCTCTGGGAGAGGG 300

Db 124 CTGGCGTTGCTGGTGGTCCCAAGTTGGGGGCGAGGGTTCTAGAGGCTCTGGGAGAGGG 65

Qy 301 TCCCGGGCCCACTCCCGGTGGAAAGCTATGTGCTATGTGCAAGGTTGGTCTGTAGGCA 360

Db 64 TCCCGGGCCCACTCCCGGTGGAAAGCTATGTGCTATGTGCAAGGTTGGTCTGTAGGCA 5

Qy 361 TCAG 364

Db 4 TCAG 1

RESULT 4

US-10-656-029-83/c

; Sequence 83, Application US/10656029

; Publication No. US20050003367A1

; GENERAL INFORMATION:

; APPLICANT: VERTEX PHARMACEUTICALS INC.

; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR RAPID DEVELOPMENT OF

; FILE REFERENCE: VPI/02-143W02

; CURRENT APPLICATION NUMBER: US/10/656,029

; CURRENT FILING DATE: 2003-09-05

; PRIOR APPLICATION NUMBER: 60/408,297

; PRIOR FILING DATE: 2002-09-05

; NUMBER OF SEQ ID NOS: 86

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 83

; LENGTH: 9131

; TYPE: DNA

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Synthetic

; OTHER INFORMATION: pxi-CMV-SD-Vanilloid sequence

US-10-656-029-83

Query Match

Best Local Similarity 16.1%; Score 161.2; DB 21; Length 9131;

Matches 187; Conservative 0; Mismatches 43; Indels 0; Gaps 0;

Qy	852	CCGACCTCGGCTCACTGTAACTCTGTTCTCGGGTTCAACCGATTTCTCCTTCTCTCAGCC	911
	:	:	
Db	75318	ACARTCTCAGCTCACTRCACCTCYGCGCTCCGGGTTCAAGTGATTTCTCCTTCTCTCAGCC	75377
Qy	912	TCCTGAGTAGCTGGAAATTACAGGTGCTCGCGCACTCTCCACGACTAATTTTATATATTTTGG	971
Db	75378	TCCTGAGTAGCTGGGATTACAGCGGTGCAGCACTACACCGCGTAATTTTAAATATTTT	75437
Qy	972	TAGATAGAGATGGGTTTTCAAGATGTGGC	1001
Db	75438	TTGGTAGAGATGGGGTTTCAACATGTGGC	75467

```

RESULT 8
US-10-428-487-11
; Sequence 11, Application US/10428487
; Publication No. US20040006780A1
; GENERAL INFORMATION:
; APPLICANT: RASTELLI, LUCA K.
; APPLICANT: GERBER, HANS-PETER
; TITLE OF INVENTION: VEGF-MODULATED GENES AND METHODS EMPLOYING THEM
; FILE REFERENCE: 0980080-0103
; CURRENT APPLICATION NUMBER: US/10/428,487
; CURRENT FILING DATE: 2003-05-02
; PRIOR APPLICATION NUMBER: 09/815,153
; PRIOR FILING DATE: 2001-03-21
; PRIOR APPLICATION NUMBER: 60/191,201
; PRIOR FILING DATE: 2000-03-22
; NUMBER OF SEQ ID NOS: 84
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 11
; LENGTH: 301692
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-428-487-11

```

RESULT 11
US-10-282-174-347/c

Query Match 15.5%; Score 155.6; DB 17; Length 63824;
Best Local Similarity 80.6%; Pred. No. 1.8e-34;
Matches 195; Conservative 0; Mismatches 44; Indels 3; Gaps 1;

QY 760 TTCAATTTTACTTCCCTTCTCCCTTCAGCTTGTGTTTTTTTTTTTAAAGACAGATC 819
DB 45333 TTAATAATTTACATTTCCATTTCCATTTCTTTTTTTTTTTTTTTTTTTTGACGCGAGTC 45274

QY 820 TCATTCTGTCAACCCAGCTGGAGTGCAGTGGCCGACCTCGGCTCACTGTAACTCTGCT 879
DB 45273 TCATTCTGTCAACCCAGCTGGAGTGCAGTGGCCGACATCTGGCTCACTGCACTCTGCC 45214

QY 880 TCTGGGTTCAACCCAGTCTCTCTCTCAAGCTCTCGAGTAGCTGGAATTAAGGTGCTC 939
DB 45213 TCTGGGTTCAAGTATCTCTCTGCTCAGCTCCGAGTAGCTGGGATTATAGGTGTA 45154

QY 940 GCCACTACTCCAGCTAAATTTTATATTTTGGTAGATAGAGATGGTTTTCAATGTTG 999
DB 45153 GCCACCACACCCAGCTAAATTTTGTATTT---TTAGTAGAGATGGGGTTTCGCCATGTTG 45097

QY 1000 GC 1001
DB 45096 GC 45095

RESULT 13

US-10-600-009-347/c
; Sequence 347, Application US/10600009
; Publication No. US20050009031A1
; GENERAL INFORMATION:
; APPLICANT: Becker, Kenneth David
; APPLICANT: Velicelebi, Gonul
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Wang, Xin
; APPLICANT: Tanzi, Rudolph E.
; APPLICANT: Bertram, Lars
; APPLICANT: Saunders, Aleister J.
; APPLICANT: Mullin, Kristina M.
; APPLICANT: Sampson, Andrew Johnson
; APPLICANT: Blacker, Deborah Lynne
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
; TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
; FILE REFERENCE: 37481-3308B
; CURRENT APPLICATION NUMBER: US/10/600,009
; PRIOR FILING DATE: 2003-06-18
; PRIOR APPLICATION NUMBER: US 60/339,525
; PRIOR FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: US 60/338,010
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/336,929
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/338,363
; PRIOR FILING DATE: 2001-11-09
; PRIOR APPLICATION NUMBER: US 60/337,052
; PRIOR FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: US 60/368,919
; PRIOR FILING DATE: 2002-03-28
; PRIOR APPLICATION NUMBER: US 10/282,174
; PRIOR FILING DATE: 2002-10-25
; NUMBER OF SEQ ID NOS: 564
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 347
; LENGTH: 63824
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (1)...(14)
; OTHER INFORMATION: N is unknown
; FEATURE:
; NAME/KEY: misc feature
; LOCATION: (22880)...(22970)

OTHER INFORMATION: N is unknown
FEATURE:
NAME/KEY: misc feature
LOCATION: (3942)...(39541)
OTHER INFORMATION: N is unknown
FEATURE:
NAME/KEY: misc feature
LOCATION: (53423)...(53522)
OTHER INFORMATION: N is unknown
FEATURE:
NAME/KEY: misc feature
LOCATION: (57620,57642)
OTHER INFORMATION: N is unknown
FEATURE:
NAME/KEY: misc feature
LOCATION: (57652)...(57751)
OTHER INFORMATION: N is unknown
US-10-600-009-347

Query Match 15.5%; Score 155.6; DB 21; Length 63824;
Best Local Similarity 80.6%; Pred. No. 1.8e-34;
Matches 195; Conservative 0; Mismatches 44; Indels 3; Gaps 1;

QY 760 TTCAATTTTACTTCCCTTCTCCCTTCAGCTTGTGTTTTTTTTTTTAAAGACAGATC 819
DB 45333 TTAATAATTTACATTTCCATTTCCATTTCTTTTTTTTTTTTTTTTTTTTGACGCGAGTC 45274

QY 820 TCATTCTGTCAACCCAGCTGGAGTGCAGTGGCCGACCTCGGCTCACTGTAACTCTGCT 879
DB 45273 TCATTCTGTCAACCCAGCTGGAGTGCAGTGGCCGACATCTTGGCTCACTGCACTCTGCC 45214

QY 880 TCTGGGTTCAACCCAGTCTCTCTCTCAAGCTCTCGAGTAGCTGGAATTAAGGTGCTC 939
DB 45213 TCTGGGTTCAAGTATCTCTCTGCTCAGCTCCGAGTAGCTGGGATTATAGGTGTA 45154

QY 940 GCCACTACTCCAGCTAAATTTTATATTTTGGTAGATAGAGATGGTTTTCAATGTTG 999
DB 45153 GCCACCACACCCAGCTAAATTTTGTATTT---TTAGTAGAGATGGGGTTTCGCCATGTTG 45097

QY 1000 GC 1001
DB 45096 GC 45095

RESULT 14
US-10-600-009-348/c
; Sequence 348, Application US/10600009
; Publication No. US20050009031A1
; GENERAL INFORMATION:
; APPLICANT: Becker, Kenneth David
; APPLICANT: Velicelebi, Gonul
; APPLICANT: Elliot, Kathryn J.
; APPLICANT: Wang, Xin
; APPLICANT: Tanzi, Rudolph E.
; APPLICANT: Bertram, Lars
; APPLICANT: Saunders, Aleister J.
; APPLICANT: Mullin, Kristina M.
; APPLICANT: Sampson, Andrew Johnson
; APPLICANT: Blacker, Deborah Lynne
; TITLE OF INVENTION: GENES AND POLYMORPHISMS ON CHROMOSOME 10
; TITLE OF INVENTION: ASSOCIATED WITH ALZHEIMER'S DISEASE AND OTHER
; FILE REFERENCE: 37481-3308B
; CURRENT APPLICATION NUMBER: US/10/600,009
; CURRENT FILING DATE: 2003-06-18
; PRIOR APPLICATION NUMBER: US 60/339,525
; PRIOR FILING DATE: 2001-10-25
; PRIOR APPLICATION NUMBER: US 60/338,010
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/336,929
; PRIOR FILING DATE: 2001-11-08
; PRIOR APPLICATION NUMBER: US 60/338,363
; PRIOR FILING DATE: 2001-11-09

